



Murdock Goldenberg
Schneider & Groh, LPA

January 28, 2010

Via UPS Second Day Air

Ms. Kristine Koch
Remedial Project Manager
United States Environmental Protection Agency, Region 10
Office of Environmental Cleanup, Mail Code ECL-115
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

**Re: Cenveo Corporation's First Supplemental Response to U.S. EPA's
104(e) Request for the Portland Harbor Superfund Site**

Dear Ms. Koch:

Enclosed please find a CD containing Cenveo Corporation's ("Cenveo") First Supplemental Response ("Supplemental Response") to U.S. EPA's 104(e) Request ("Request") for the Portland Harbor Superfund Site. While a copy of Cenveo's Declaration is included with its Supplemental Response for 2000 NW Wilson Street on the CD, the original of that Declaration will be forwarded to you when received from Cenveo. This cover letter is also included on the CD.

Cenveo's Supplemental Response contains a complete response for an additional facility that one Cenveo employee recalled. This facility was on NW Nela Street. Although Cenveo is providing this response, it has nearly no substantive information regarding that facility. In addition, Cenveo has discovered some additional limited information relating to its main facility in Portland at 2000 NW Wilson Street. In the response document containing the additional information for the 2000 NW Wilson Street facility, only new information is set forth in the response; Cenveo has not restated its original responses. There are also several new exhibits that accompany the Supplemental Response for the 2000 NW Wilson Street facility; each exhibit is referenced in the response.

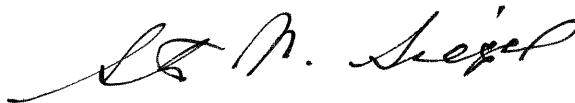
As in its initial Response, where EPA has used a series of subparts in which to pose requests related to a primary Request, if Cenveo has been able to respond in a short sentence to all of the subsections for which it has information, Cenveo has done

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so with the hope that EPA can more easily review and understand the information provided in the sentence format, rather than trying to piece together the information from responses in several subsections.

Cenveo continues to object in general to the Request as being overly broad and overreaching, not being designed to limit the Request to develop only information that is relevant to the Portland Harbor Superfund Site, being outside of the authority granted to EPA to request information from potentially responsible parties ("PRPs") pursuant to Section 104(e) and requiring PRPs to spend excessive amounts of money to respond that far outweigh any benefit to EPA or the environment. However, without waiving these objections, and also subject to any other objections that Cenveo has cited in response to individual requests, Cenveo has put forth a good-faith attempt to provide the EPA with information responsive to each request.

Very truly yours,

A handwritten signature in black ink, appearing to read "Steve N. Siegel". The signature is fluid and cursive, with the first name "Steve" and last name "Siegel" clearly distinguishable.

Steve N. Siegel
Counsel to Cenveo Corporation

SNS/cp
Enclosure

cc: Pete Popovics (CD only)
Marcia E. Berry, Esq. (CD only)

Cenveo's Supplemental Response for 2000 NW Wilson Street Facility

Note: Only responses to questions with new or additional information relating to Cenveo's 2000 NW Wilson Street facility contain information; all others have been left blank. Those responses with new information have been denominated as "Supplemental Response." All other information remains the same.

Section 1.0 Respondent Information

1. Provide the full legal, registered name and mailing address of Respondent.

Response:

2. For each person answering these questions on behalf of Respondent, provide:
 - a. full name;
 - b. title;
 - c. business address; and
 - d. business telephone number, electronic mail address, and FAX machine number.

Supplemental Response: The following person has provided information as contained below:

1. Jeff Anderson.

Jeff Anderson was interviewed by telephone. Mr. Anderson is a former Northwest Regional Safety and Environmental Director for Cenveo who worked at the 2000 NW Wilson Street facility. Mr. Anderson was first employed by Cenveo in April 1995, moving into the position of Safety and Environmental Director in May 2000. Mr. Anderson remained at the 2000 NW Wilson Street facility in this position until April 2006. In these positions, Mr. Anderson had personal knowledge of the waste streams generated by the 2000 NW Wilson Street facility as well as Cenveo's historical environmental issues in Portland. Mr. Anderson can be reached through Ms. Marcia Berry, Assistant General Counsel at Cenveo. Ms. Berry can be reached at 203.595.3064 or Marcia.Berry@cenveo.com.

Mr. Anderson was not aware any releases of any materials from the 2000 NW Wilson Street facility that exceeded reportable quantities. The only material that Mr. Anderson was aware of that was sewerer from that facility was associated with photographic chemicals described previously in Cenveo's initial response. Silver was removed from the effluent prior to discharge and, from time to time, pH was adjusted, as needed. While the facility was under a permit, a third-party tested the effluent each quarter. Because of operating efficiencies, the volume of effluent was reduced over time and the City of Portland did not require the 2000 NW Wilson Street

facility to continue operating under a permit.

Mr. Anderson is not aware of any issues relating to the 2000 NW Wilson Street facility that occurred during his employment with Cenveo that could have impacted the Willamette River, and was not made aware during his employment of any issues that occurred prior to his employment with Cenveo that would have impacted the Willamette River. Mr. Anderson recalled that Cenveo took steps to prevent any type of environmental issues, such as utilizing double walled underground storage tanks with interstitial monitoring. Mr. Anderson recalled that Cenveo also received several awards for its work in the environmental area.

Mr. Anderson was not aware of any issues that occurred at nearby entities that would have impacted the Willamette River.

Mr. Anderson did not have any documents that related to any environmental issue regarding Cenveo, GAC or GAC/Flexoprep, and was not aware of anyone else who had any Cenveo documents that might be relevant to environmental issues.

Like many other employees who have been asked, Mr. Anderson was not aware that any GAC facility had ever been located on NW Nela Street.

3. If Respondent wishes to designate an individual for all future correspondence concerning this Site, please indicate here by providing that individual's name, address, telephone number, fax number, and, if available, electronic mail address.

Response:

Section 2.0 Owner/Operator Information

4. Identify each and every Property that Respondent currently owns, leases, operates on, or otherwise is affiliated or historically has owned, leased, operated on, or otherwise been affiliated with within the Investigation Area during the period of investigation (1937 – Present). Please note that this question includes any aquatic lands owned or leased by Respondent.

Response:

5. Provide a brief summary of Respondent's relationship to each Property listed in response to Question 4 above, including the address, Multnomah County Alternative Tax lot Identification number(s), dates of acquisition, period of ownership, lease, operation, or affiliation, and a brief overview of Respondent's activities at the Properties identified.

Response:

6. Identify any persons who concurrently with you exercises or exercised actual control or who held significant authority to control activities at each Property, including:
- a. partners or joint venturers;
 - b. any contractor, subcontractor, or licensor that exercised control over any materials handling, storage, or disposal activity on the Property; (service contractors, remediation contractors, management and operator contractors, licensor providing technical support to licensed activities);
 - c. any person subleasing land, equipment or space on the Property;
 - d. utilities, pipelines, railroads and any other person with activities and/or easements regarding the Property;
 - e. major financiers and lenders;
 - f. any person who exercised actual control over any activities or operations on the Property;
 - g. any person who held significant authority to control any activities or operations on the Property;
 - h. any person who had a significant presence or who conducted significant activities at the Property; and
 - i. any government entities that had proprietary (as opposed to regulatory) interest or involvement with regard to the activity on the Property.

Response:

7. Identify and describe any legal or equitable interest that you now have, or previously had in each Property. Include information regarding the nature of such interest; when, how, and from whom such interest was obtained; and when, how, and to whom such interest was conveyed, if applicable. In addition, submit copies of all instruments evidencing the acquisition or conveyance of such interest (e.g., deeds, leases, purchase and sale agreements, partnership agreements, etc.).

Response:

8. If you are the current owner and/or current operator, did you acquire or operate the Property or any portion of the Property after the disposal or placement of hazardous substances, waste, or materials on, or at the Property? Describe all of the facts on which you base the answer to this question.

Response:

9. At the time you acquired or operated the Property, did you know or have reason to know that any hazardous substance, waste, or material was disposed of on, or at the Property?

Describe all investigations of the Property you undertook prior to acquiring the Property and all of the facts on which you base the answer to this question.

Response:

10. Identify all prior owners that you are aware of for each Property identified in Response to Question 4 above. For each prior owner, further identify if known, and provide copies of any documents you may have regarding:
- a. the dates of ownership;
 - b. all evidence showing that they controlled access to the Property; and
 - c. all evidence that a hazardous substance, pollutant, or contaminant, was released or threatened to be released at the Property during the period that they owned the Property.

Response:

11. Identify all prior operators of the Property, including lessors, you are aware of for each Property identified in response to Question 4 above. For each such operator, further identify if known, and provide copies of any documents you may have regarding:
- a. the dates of operation;
 - b. the nature of prior operations at the Property;
 - c. all evidence that they controlled access to the Property; and
 - d. all evidence that a hazardous substance, pollutant, or contaminant was released or threatened to be released at or from the Property during the period that they were operating the Property.

Response:

12. If not included in response to any of the previous questions, please describe the purpose and duration of each aquatic lands lease Respondent or the operator of Respondent's Property(ies) ever obtained from the State of Oregon and provide a copy of each application for and aquatic lands lease obtained.

Response:

Section 3.0 Description of Each Property

13. Provide the following information about each Property identified in response to Question 4:
- a. property boundaries, including a written legal description;

- b. location of underground utilities (telephone, electrical, sewer, water main, etc.);
- c. location of all underground pipelines whether or not owned, controlled or operated by you;
- d. surface structures (e.g., buildings, tanks, pipelines, etc.);
- e. over-water structures (e.g., piers, docks, cranes, etc.);
- f. dry wells;
- g. treatment or control devices (e.g., surface water, air, groundwater, Resource Conservation and Recovery Act (RCRA), Transfer, Storage, or Disposal (TSD), etc.);
- h. groundwater wells, including drilling logs;
- i. storm water drainage system, and sanitary sewer system, past and present, including septic tank(s) and where, when and how such systems are emptied and maintained;
- j. subsurface disposal field(s), Underground Injection Control (UIC) wells, and other underground structures (e.g., underground storage tanks (USTs); and where they are located, if they are still used, and how they were closed;
- k. any and all major additions, demolitions or changes on, under or about the Property, its physical structures or to the property itself (e.g., stormwater drainage, excavation work); and any planned additions, demolitions or other changes to the Property;
- l. all maps and drawings of the Property in your possession; and
- m. all aerial photographs of the Property in your possession.

Supplemental Response: Cenveo identified a drawing of the facility at 2000 NW Wilson Street that contained some information relating to waste storage, although the purpose of the drawing was originally to identify evacuation routes on each of the three floors of the building. This drawing has been identified as Exhibit 62 and is contained on the enclosed CD.

14. For Properties adjacent to the Willamette River, provide specific information describing the river-ward boundary of private ownership and where state aquatic lands and/or state-management jurisdiction begins. Provide a map that delineates the river-ward boundary of each Property.

Response:

15. For each Property, provide all reports, information or data you have related to soil, water (ground and surface), or air quality and geology/hydrogeology at and about each Property. Provide copies of all documents containing such data and information,

including both past and current aerial photographs as well as documents containing analysis or interpretation of such data.

Supplemental Response: Please see Exhibit 63. Exhibit 63 is a 2000 Phase I Environmental Assessment performed by ATC. While Cenveo believes that all information in the Phase I that concerns the 2000 NW Wilson Street facility was disclosed in other reports that Cenveo produced in its July 30, 2008 Response, Cenveo wanted to provide EPA with as complete a record as possible. In addition, significant database research was conducted at the time the Phase I was performed by ATC. Cenveo is not aware that any other report submitted with Cenveo's July 30, 2008 Response contained the extensive database research that ATC's Phase I contained.

16. Identify all past and present solid waste management units or areas where materials are or were in the past managed, treated, or disposed (e.g., waste piles, landfills, surface impoundments, waste lagoons, waste ponds or pits, tanks, container storage areas, etc.) on each Property. For each such unit or area, provide the following information:
- a. a map showing the unit/area's boundaries and the location of all known units/areas whether currently in operation or not. This map should be drawn to scale, if possible, and clearly indicate the location and size of all past and present units/areas;
 - b. dated aerial photograph of the site showing each unit/area;
 - c. the type of unit/area (e.g., storage area, landfill, waste pile, etc.), and the dimensions of the unit/area;
 - d. the dates that the unit/area was in use;
 - e. the purpose and past usage (e.g., storage, spill containment, etc.);
 - f. the quantity and types of materials (hazardous substances and any other chemicals) located in each unit/area; and
 - g. the construction (materials, composition), volume, size, dates of cleaning, and condition of each unit/area.

Response:

17. If the unit/area described above is no longer in use, how was such unit/area closed and what actions were taken to prevent or address potential or actual releases of waste constituents from the unit/area.

Response:

18. For each Property, provide the following information regarding any current or former sewer or storm sewer lines or combined sanitary/storm sewer lines, drains, ditches, or tributaries discharging into the Willamette River:
- a. the location and nature of each sewer line, drain, ditch, or tributary;
 - b. the date of construction of each sewer line, drain, ditch, or tributary;
 - c. whether each sewer line, or drain was ever connected to a main trunk line;
 - d. whether each sewer line, drain, ditch, or tributary drained any hazardous substance, waste, material or other process residue to the Willamette River; and
 - e. provide any documentation regarding but not limited to the following on any and all outfalls to the Willamette River which are located within the boundaries of the Property(ies). Your response should include, but not be limited to:
 - i. the areas serviced by the outfalls; and
 - ii. the type of outfall (i.e., storm water or single facility operational).

Response:

19. Provide copies of any stormwater or property drainage studies, including data from sampling, conducted at these Properties on stormwater, sheet flow, or surface water runoff. Also provide copies of any Stormwater Pollution Prevention, Maintenance Plans, or Spill Plans developed for different operations during the Respondent's operation of each Property.

Response:

Section 4.0 Respondent's Operational Activities

20. Describe the nature of your operations or business activities at each Property. If the operation or business activity changed over time, please identify each separate operation or activity, the dates when each operation or activity was started and, if applicable, ceased.

Response:

21. At each Property, did you ever use, purchase, generate, store, treat, dispose, or otherwise handle any waste, or material? If the answer to the preceding question is anything but an unqualified "no," identify:
- a. in general terms, the nature and quantity of the waste or material so transported, used, purchased, generated, stored, treated, disposed, or otherwise handled;
 - b. the chemical composition, characteristics, physical state (e.g., solid, liquid) of each waste or material so transported, used, purchased, generated, stored, treated, disposed, or otherwise handled;

- c. how each such waste or material was used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you; and
- d. the quantity of each such waste or material used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you.

Response:

22. Describe all activities at each Property that was conducted over, on, or adjacent to, the Willamette River. Include in your description whether the activity involved hazardous substances, waste(s), or materials and whether any such hazardous substances, waste(s), or materials were discharged, spilled, disposed of, dropped, or otherwise came to be located in the Willamette River.

Response:

23. For each Property at which there was or is a mooring facility, dock, wharf or any over-water structure, provide a summary of over-water activities conducted at the structure, including but not limited to, any material loading and unloading operations associated with vessels, materials handling and storage practices, ship berthing and anchoring, ship fueling, and ship building, retrofitting, maintenance, and repair.

Response:

24. Describe all activities conducted on leased aquatic lands at each Property. Include in your description whether the activity involved hazardous substances, waste(s), or materials and whether any such hazardous substances, waste(s), or materials were discharged, spilled, disposed of, dropped, or otherwise came to be located on such leased aquatic lands.

Response:

25. Please describe the years of use, purpose, quantity, and duration of any application of pesticides or herbicides on each Property during the period of investigation (1937 – present). Provide the brand name of all pesticides or herbicides used.

Response:

26. Describe how wastes transported off the Property for disposal are and ever were handled, stored, and/or treated prior to transport to the disposal facility.

Response:

27. Has Respondent ever arranged for disposal or treatment or arranged for transportation for disposal or treatment of materials to any Property (including the Willamette River) within

the Investigation Area? If so, please identify every Property that Respondent's materials were disposed or treated at in the Investigation Area. In addition, identify:

- a. the persons with whom the Respondent made such arrangements;
- b. every date on which Respondent made such arrangements;
- c. the nature, including the chemical content, characteristics, physical state (e.g., solid, liquid), and quantity (volume and weight) of all materials involved in each such arrangement;
- d. in general terms, the nature and quantity of the non- hazardous materials involved in each such arrangement;
- e. in general terms, the nature and quantity of any hazardous materials involved in each such arrangement;
- f. the owner of the materials involved in each such arrangement, if not Respondent;
- g. all tests, analyses, analytical results or manifests concerning each hazardous material involved in such transactions;
- h. the address(es) for each Property, precise locations at which each material involved in such transactions actually was disposed or treated;
- i. the owner or operator of each facility at which hazardous or non-hazardous materials were arranged to be disposed at within the Investigation Area;
- j. who selected the location to which the materials were to be disposed or treated;
- k. who selected the Property as the location at which hazardous materials were to be disposed or treated; and
- l. any records of such arrangement(s) and each shipment.

Response:

28. Describe the plants and other buildings or structures where Respondent carried out its operations at each Property within the Investigation Area (excluding locations where ONLY clerical/office work was performed).

Response:

29. Provide a schematic diagram or flow chart that fully describes and/or illustrates the Respondent's operations on each Property.

Response:

30. Provide a brief description of the nature of Respondent's operations at each location on each Property including:
- a. the date such operations commenced and concluded; and
 - b. the types of work performed at each location, including but not limited to the industrial, chemical, or institutional processes undertaken at each location.

Response:

31. If the nature or size of Respondent's operations changed over time, describe those changes and the dates they occurred.

Response:

32. List the types of raw materials used in Respondent's operations, the products manufactured, recycled, recovered, treated, or otherwise processed in these operations.

Response:

33. Provide copies of Material Safety Data Sheets (MSDS) for materials used in the Respondent's operations.

Supplemental Response: Cenveo identified one MSDS for Safety-Kleen that was not included in Cenveo's July 30, 2008 Response. It is identified as a Supplement to Exhibit 25 and included in the accompanying CD.

34. Describe the cleaning and maintenance of the equipment and machinery involved in these operations, including but not limited to:
- a. the types of materials used to clean/maintain this equipment/machinery;
 - b. the monthly or annual quantity of each such material used;
 - c. the types of materials spilled in Respondent's operations;
 - d. the materials used to clean up those spills;
 - e. the methods used to clean up those spills; and
 - f. where the materials used to clean up those spills were disposed of.

Response:

35. Describe the methods used to clean up spills of liquid or solid materials during Respondent's operation.

Response:

36. For each type of waste (including by-products) from Respondent's operations, including but not limited to all liquids, sludges, and solids, provide the following information:
- a. its physical state;
 - b. its nature and chemical composition;
 - c. its color;

- d. its odor;
- e. the approximate monthly and annual volumes of each type of waste (using such measurements as gallons, cubic yards, pounds, etc.); and
- f. the dates (beginning & ending) during which each type of waste was produced by Respondent's operations.

Response:

37. Provide a schematic diagram that indicates which part of Respondent's operations generated each type of waste, including but not limited to wastes generated by cleaning and maintenance of equipment and machinery and wastes resulting from spills of liquid materials.

Response:

38. Identify all individuals who currently have and those who have had responsibility for Respondent's environmental matters (e.g. responsibility for the disposal, treatment, storage, recycling, or sale of Respondent's wastes). Also provide each individual's job title, duties, dates performing those duties, supervisors for those duties, current position or the date of the individual's resignation, and the nature of the information possessed by such individuals concerning Respondent's waste management.

Response:

39. For each type of waste describe Respondent's contracts, agreements, or other arrangements for its disposal, treatment, or recycling.

Response:

40. Provide copies of such contracts and other documents reflecting such agreements or arrangements, including, but not limited to the following:
- a. state where Respondent sent each type of its waste for disposal, treatment, or recycling;
 - b. identify all entities and individuals who picked up waste from Respondent or who otherwise transported the waste away from Respondent's operations (these companies and individuals shall be called "Waste Carriers" for purposes of this Information Request);
 - c. if Respondent transported any of its wastes away from its operations, please so indicate;
 - d. for each type of waste specify which Waste Carrier picked it up;
 - e. indicate the ultimate disposal/recycling/treatment location for each type of waste;

- f. provide all documents indicating the ultimate disposal/recycling/treatment location for each type of waste; and
- g. state the basis for and provide any documents supporting the answer to the previous question.

Response:

41. Describe all wastes disposed by Respondent into Respondent's drains including but not limited to:
- a. the nature and chemical composition of each type of waste;
 - b. the dates on which those wastes were disposed;
 - c. the approximate quantity of those wastes disposed by month and year;
 - d. the location to which these wastes drained (e.g. septic system or storage tank at the Property, pre- treatment plant, Publicly Owned Treatment Works (POTW), etc.); and
 - e. whether and what pretreatment was provided.

Response:

42. Identify any sewage authority or treatment works to which Respondent's waste was sent.

Response:

43. Describe all settling tank, septic system, or pretreatment system sludges or other treatment wastes resulting from Respondent's operations.

Response:

44. If applicable, describe the facilities, processes and methods Respondent or Respondent's contractor used, and activities engaged in, either currently or in the past, related to ship building, retrofitting, maintenance or repair, including, but not limited to, dry-docking operations, tank cleaning, painting and re-powering.

Response:

45. Describe any hazardous substances, wastes, or materials used or generated by the activities described in response to the previous Question and how these hazardous substances, materials and wastes were released or disposed of.

Response:

46. Provide copies of any records you have in your possession, custody or control relative to the activities described in response to the previous two Questions.

Response:

47. Describe any process or activity conducted on a Property identified in response to Question 4 involving the acquisition, manufacture, use, storage, handling, disposal or release or threatened release of polychlorinated biphenyl(s) ("PCB(s)" or PCB(s)-containing materials or liquids.

Response:

48. For each process or activity identified in response to the previous Question, describe the dates and duration of the activity or process and the quantity and type of PCB(s) or PCB(s) containing materials or liquids.

Response:

49. For each process or activity identified in response to the previous two Questions, identify the location of the process or activity on the property.

Response:

Section 5.0 Regulatory Information

50. Identify all federal, state and local authorities that regulated the owner or operator of each Property and/or that interacted with the owner or operator of each Property. Your response is to address all interactions and in particular all contacts from agencies/departments that dealt with health and safety issues and/or environmental concerns.

Response:

51. Describe all occurrences associated with violations, citations, deficiencies, and/or accidents concerning each Property during the period being investigated related to health and safety issues and/or environmental concerns. Provide copies of all documents associated with each occurrence described.

Response:

52. Provide a list of all local, state and federal environmental permits ever issued to the owner or operator on each Property (e.g., RCRA permits, NPDES permits, etc.). Please provide a copy of each federal and state permit, and the applications for each permit, ever issued to the owner or operator on each Property.

Response:

53. Did the owner or operator ever file a Hazardous Waste Activity Notification under the RCRA? If so, provide a copy of such notification.

Response:

54. Did the owner or operator's facility on each Property ever have "interim status" under the RCRA? If so, and the facility does not currently have interim status; describe the circumstances under which the facility lost interim status.

Response:

55. Provide all RCRA Identification Numbers issued to Respondent by EPA or a state for Respondent's operations.

Response:

56. Identify all federal offices to which Respondent has sent or filed hazardous substance or hazardous waste information. State the years during which such information was sent/filed.

Response:

57. Identify all state offices to which Respondent has sent or filed hazardous substance or hazardous waste information. State the years during which such information was sent/filed.

Response:

58. List all federal and state environmental laws and regulations under which Respondent has reported to federal or state governments, including but not limited to: Toxic Substances Control Act, 15 U.S.C. Sections 2601 et seq., (TSCA); Emergency Planning and Community Right-to-Know Act, 42 U.S.C. Sections 1101 et seq., (EPCRA); and the Clean Water Act (the Water Pollution Prevention and Control Act), 33 U.S.C. Sections 1251 et seq., Oregon Hazardous Substance Remedial Action Law, ORS 465.315, Oregon Water Quality law, ORS Chapter 468(b), Oregon Hazardous Waste and Hazardous Materials law, ORS Chapters 465 and 466, or Oregon Solid Waste law, ORS Chapter 459. Provide copies of each report made, or if only oral reporting was required, identify the federal and state offices to which such report was made.

Response:

59. Provide a copy of any registrations, notifications, inspections or reports required by the Toxic Substances Control Act, 15 USC § 2601 et seq., or state law, to be maintained or submitted to any government agency, including fire marshal(s), relating to PCB(s) or PCB(s) containing materials or liquids on any Property identified in response to Question 4.

Response:

60. Has Respondent or Respondent's contractors, lessees, tenants, or agents ever contacted, provided notice to, or made a report to the Oregon Department of State Lands ("DSL") or any other state agency concerning an incident, accident, spill, release, or other event involving Respondent's leased state aquatic lands? If so, describe each incident, accident, spill, release, or other event and provide copies of all communications between Respondent or its agents and DSL or the other state agency and all documents that were exchanged between Respondent, its agents and DSL or other state agency.

Response:

61. Describe all notice or reporting requirements to DSL that you had under an aquatic lands lease or state law or regulation regarding incidents affecting, or activities or operations occurring on leased aquatic lands. Include the nature of the matter required to be reported and the office or official to whom the notice or report went to. Provide copies of all such notices or reports.

Response:

Section 6.0 Releases and Remediation

62. Identify all leaks, spills, or releases into the environment of any waste, including petroleum, hazardous substances, pollutants, or contaminants, that have occurred at or from each Property, which includes any aquatic lands owned or leased by Respondent. In addition, identify, and provide copies of any documents regarding:
- when such releases occurred;
 - how the releases occurred (e.g. when the substances were being stored, delivered by a vendor, transported or transferred (to or from any tanks, drums, barrels, or recovery units), and treated);
 - the amount of each hazardous substances, pollutants, or contaminants so released;
 - where such releases occurred;
 - any and all activities undertaken in response to each such release or threatened release, including the notification of any agencies or governmental units about the release;

- f. any and all investigations of the circumstances, nature, extent or location of each release or threatened release including, the results of any soil, water (ground and surface), or air testing undertaken;
- g. all persons with information relating to these releases; and
- h. list all local, state, or federal departments or agencies notified of the release, if applicable.

Response:

63. Was there ever a spill, leak, release or discharge of waste, including petroleum, or hazardous substances, pollutant or contaminant into any subsurface disposal system or floor drain inside or under a building on the Property? If the answer to the preceding question is anything but an unqualified "no", identify:
- a. where the disposal system or floor drains were located;
 - b. when the disposal system or floor drains were installed;
 - c. whether the disposal system or floor drains were connected to pipes;
 - d. where such pipes were located and emptied;
 - e. when such pipes were installed;
 - f. how and when such pipes were replaced, or repaired; and
 - g. whether such pipes ever leaked or in any way released such waste or hazardous substances into the environment.

Response:

64. Has any contaminated soil ever been excavated or removed from the Property? Unless the answer to the preceding question is anything besides an unequivocal "no", identify and provide copies of any documents regarding:
- a. amount of soil excavated;
 - b. location of excavation presented on a map or aerial photograph;
 - c. manner and place of disposal and/or storage of excavated soil;
 - d. dates of soil excavation;
 - e. identity of persons who excavated or removed the soil, if other than a contractor for Respondent;
 - f. reason for soil excavation;
 - g. whether the excavation or removed soil contained hazardous substances, pollutants or contaminants, including petroleum, what constituents the soil contained, and why the soil contained such constituents;
 - h. all analyses or tests and results of analyses of the soil that was removed from the Property;

- i. all analyses or tests and results of analyses of the excavated area after the soil was removed from the Property; and
- j. all persons, including contractors, with information about (a) through (i) of this request.

Response:

65. Have you ever tested the groundwater under your Property? If so, please provide copies of all data, analysis, and reports generated from such testing.

Response:

66. Have you treated, pumped, or taken any kind of response action on groundwater under your Property? Unless the answer to the preceding question is anything besides an unequivocal "no", identify and provide copies of any documents regarding:
- a. reason for groundwater action;
 - b. whether the groundwater contained hazardous substances, pollutants or contaminants, including petroleum, what constituents the groundwater contained, and why the groundwater contained such constituents;
 - c. all analyses or tests and results of analyses of the groundwater;
 - d. if the groundwater action has been completed, describe the basis for ending the groundwater action; and
 - e. all persons, including contractors, with information about (a) through (c) of this request.

Response:

67. Was there ever a spill, leak, release or discharge of a hazardous substance, waste, or material into the Willamette River from any equipment, structure, or activity occurring on, over, or adjacent to the river? If the answer to the preceding question is anything but an unequivocal "no", identify and provide copies of any documents regarding:
- a. the nature of the hazardous substance, waste, or material spilled, leaked, released or discharged;
 - b. the dates of each such occurrence;
 - c. the amount and location of such release;
 - d. were sheens on the river created by the release;
 - e. was there ever a need to remove or dredge any solid waste, bulk product, or other material from the river as a result of the release? If so, please provide information and description of when such removal/dredging occurred, why, and where the removed/dredged materials were disposed.

Response:

68. For any releases or threatened releases of PCB(s), identify the date, quantity, location and type of PCB(s), or PCB(s) containing materials or liquids, and the nature of any response to or cleanup of the release.

Response:

69. For any releases or threatened releases of PCB(s) and/or PCB(s) containing materials or liquids, identify and provide copies of any documents regarding the quantity and type of waste generated as a result of the release or threatened release, the disposition of the waste, provide any reports or records relating to the release or threatened release, the response or cleanup and any records relating to any enforcement proceeding relating to the release or threatened release.

Response:

Section 7.0 Property Investigations

70. Provide information and documentation concerning all inspections, evaluations, safety audits, correspondence and any other documents associated with the conditions, practices, and/or procedures at the Property concerning insurance issues or insurance coverage matters.

Supplemental Response: Cenveo has identified a number of FM Global reports that arguably are responsive to Request No. 70. Those reports are identified collectively as Exhibit 64, and are contained on the accompanying CD.

71. Describe the purpose for, the date of initiation and completion, and the results of any investigations of soil, water (ground or surface), sediment, geology, and hydrology or air quality on or about each Property. Provide copies of all data, reports, and other documents that were generated by you or a consultant, or a federal or state regulatory agency related to the investigations that are described.

Response:

72. Describe any remediation or response actions you or your agents or consultants have ever taken on each Property either voluntarily or as required by any state or federal agency. If not otherwise already provided under this Information Request, provide copies of all

investigations, risk assessments or risk evaluations, feasibility studies, alternatives analysis, implementation plans, decision documents, monitoring plans, maintenance plans, completion reports, or other document concerning remediation or response actions taken on each Property.

Response:

73. Are you or your consultants planning to perform any investigations of the soil, water (ground or surface), geology, hydrology, and/or air quality on or about the Property? If so, identify:
- a. what the nature and scope of these investigations will be;
 - b. the contractors or other persons that will undertake these investigations;
 - c. the purpose of the investigations;
 - d. the dates when such investigations will take place and be completed; and
 - e. where on the Property such investigations will take place.

Response:

Section 8.0 Corporate Information

74. Provide the following information, when applicable, about you and/or your business(es) that are associated with each Property identified in response to Question 4:
- a. state the current legal ownership structure (e.g., corporation, sole proprietorship);
 - b. state the names and current addresses of current and past owners of the business entity or, if a corporation, current and past officers and directors;
 - c. discuss all changes in the business' legal ownership structure, including any corporate succession, since the inception of the business entity. For example, a business that starts as a sole proprietorship, but then incorporates after a few years, or a business that is subsequently acquired by and merged into a successor. Please include the dates and the names of all parties involved;
 - d. the names and addresses of all current or past business entities or subsidiaries in which you or your business has or had an interest that have had any operational or ownership connection with the Properties identified in response to Question 4. Briefly describe the business activities of each such identified business entities or subsidiaries; and
 - e. if your business formerly owned or operated a Property identified in response to Question 4, describe any arrangements made with successor owners or operators regarding liability for environmental contamination or property damage.

Response:

75. List all names under which your company or business has ever operated and has ever been incorporated. For each name, provide the following information:
- whether the company or business continues to exist, indicating the date and means by which it ceased operations (e.g., dissolution, bankruptcy, sale) if it is no longer in business;
 - names, addresses, and telephone numbers of all registered agents, officers, and operations management personnel; and
 - names, addresses, and telephone numbers of all subsidiaries, unincorporated divisions or operating units, affiliates, and parent corporations if any, of the Respondent.

Response:

76. Provide all copies of the Respondent's authority to do business in Oregon. Include all authorizations, withdrawals, suspensions and reinstatements.

Response:

77. If Respondent is, or was at any time, a subsidiary of, otherwise owned or controlled by, or otherwise affiliated with another corporation or entity, then describe the full nature of each such corporate relationship, including but not limited to:
- a general statement of the nature of relationship, indicating whether or not the affiliated entity had, or exercised, any degree of control over the daily operations or decision-making of the Respondent's business operations at the Site;
 - the dates such relationship existed;
 - the percentage of ownership of Respondent that is held by such other entity(ies);
 - for each such affiliated entity provide the names and complete addresses of its parent, subsidiary, and otherwise affiliated entities, as well as the names and addresses of each such affiliated entity's officers, directors, partners, trustees, beneficiaries, and/or shareholders owning more than five percent of that affiliated entity's stock;
 - provide any and all insurance policies for such affiliated entity(ies) which may possibly cover the liabilities of the Respondent at each Property; and
 - provide any and all corporate financial information of such affiliated entities, including but not limited to total revenue or total sales, net income, depreciation, total assets and total current assets, total liabilities and total current liabilities, net working capital (or net current assets), and net worth.

Response:

78. If Respondent is a partnership, please describe the partnership and provide a history of the partnership's existence. Provide a list of all current and past partners of any status (e.g., general, limited, etc.) and provide copies of all documents that created, govern, and otherwise rules the partnership, including any amendments or modifications to any of the originals of such documents, and at least five years of partnership meeting minutes.

Response:

Section 9.0 Compliance With This Request

79. Describe all sources reviewed or consulted in responding to this request, including, but not limited to:
- the name and current job title of all individuals consulted;
 - the location where all sources reviewed are currently reside; and
 - the date consulted.

Response:

80. If not already provided, identify and provide a last known address or phone number for all persons, including Respondent's current and former employees or agents, other than attorneys, who have knowledge or information about the generation, use, purchase, storage, disposal, placement, or other handling of hazardous materials at, or transportation of hazardous substances, waste, or materials to or from, each Property identified in response to Question 4.

Supplemental Response: The following former employees may have information relevant to the issues contained in this 104(e) Request: William (Bill) Pearson, V/P and GM until April 2001; and David Carstens, Operator and Safety Committee lead until early 2008. Contact information for these former employees can be obtained from Ms. Berry at Cenveo.

81. If any of the documents solicited in this information request are no longer available, please indicate the reason why they are no longer available. If the records were destroyed, provide us with the following:
- the document retention policy between 1937 and the present;
 - the approximate date of destruction;
 - a description of the type of information that would have been contained in the documents;
 - the name, job title and most current address known by you of the person(s) who would have produced these documents; the person(s) who would have been responsible for the retention of these documents; the person(s) who would have

- been responsible for destroying the documents; and the person(s) who had and/or still have the originals or copies of these documents; and
- e. the names and most current addresses of any person(s) who may possess documents relevant to this inquiry.

Response:

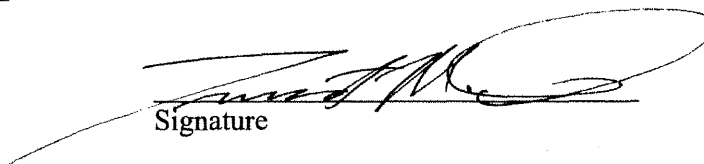
82. Provide a description of all records available to you that relate to all of the questions in this request, but which have not been included in your responses.

Response:

DECLARATION

I declare under penalty of perjury that I am authorized to respond to the U.S. EPA CERCLA SECTION 104(e) INFORMATION REQUEST on behalf of Respondent, CENVEO CORPORATION, and that the foregoing is complete, true and correct to the best of my knowledge and information.

Executed on January 28, 2010.



Signature

Timothy M. Davis
Type or Print Name

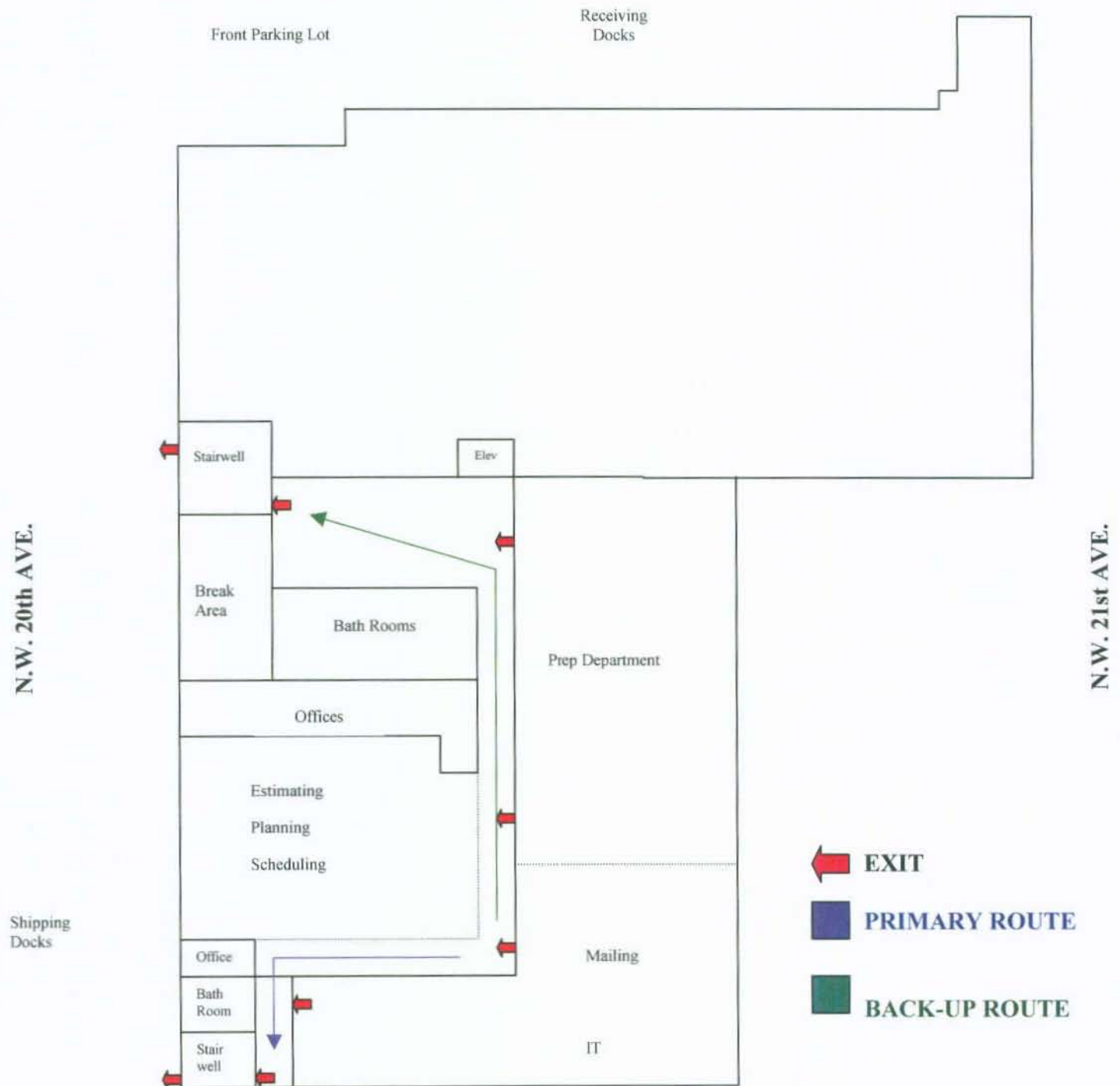
Senior Vice President, General Counsel and Secretary
Title

Mailing Address:

One Canterbury Green
201 Broad Street, 6th Floor
Stamford, CT 06901
Phone: 203.595.3014
Fax: 203.595.3074

Upper Floor Evacuation Routes

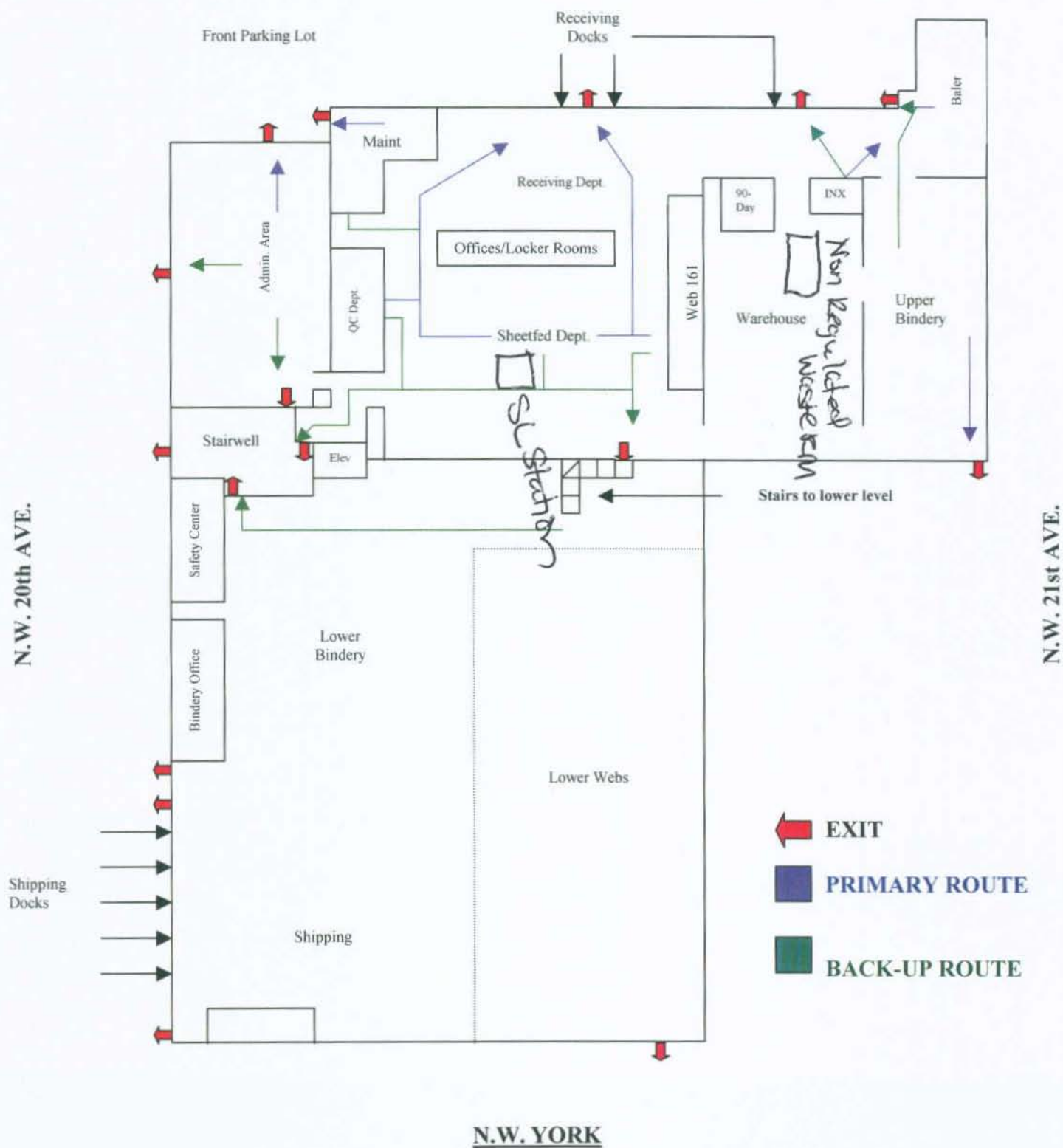
N.W. WILSON ST.



N.W. YORK

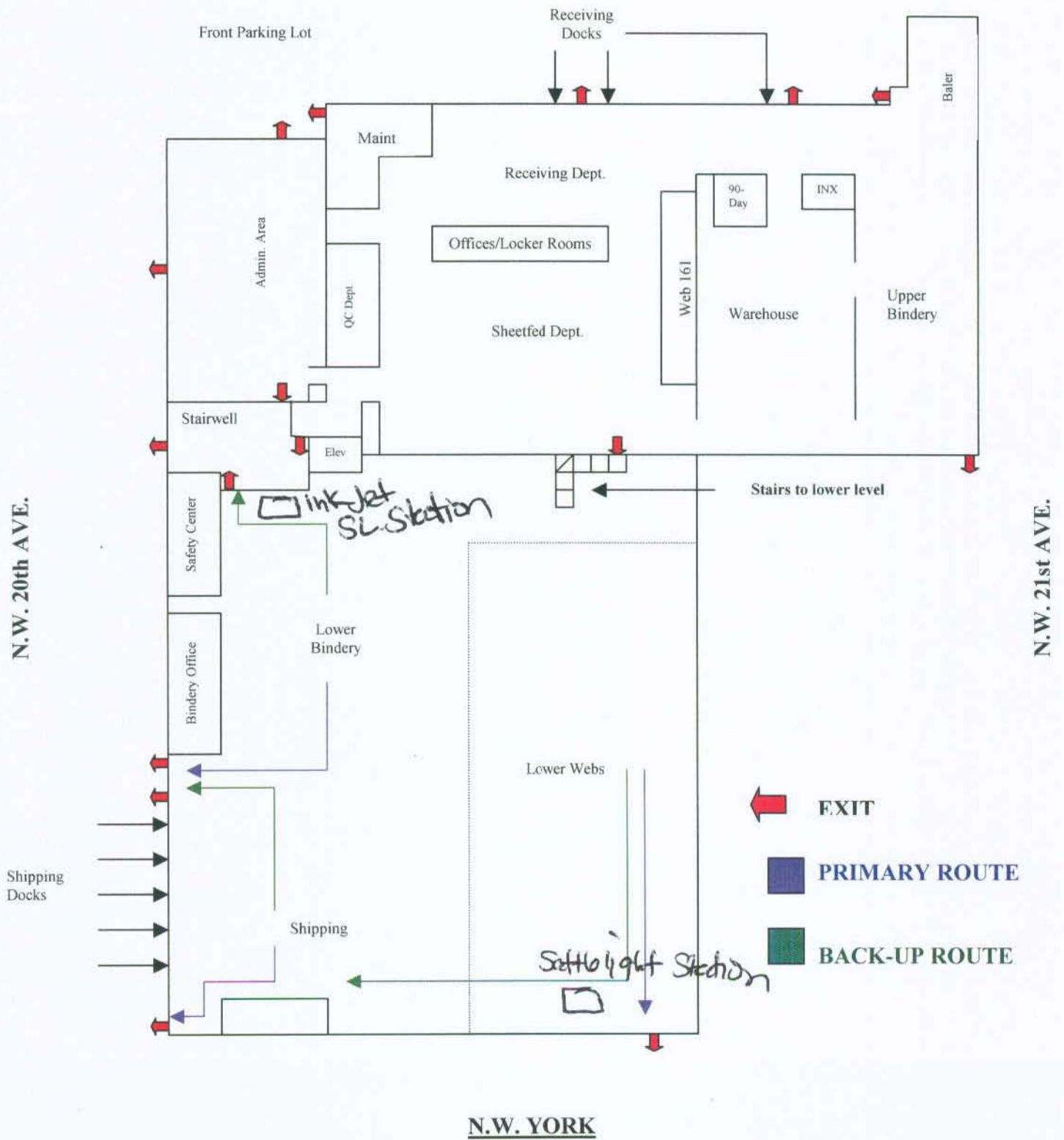
Main Floor Evacuation Routes

N.W. WILSON ST.



Lower Floor Evacuation Routes

N.W. WILSON ST.





**REPORT OF
PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
OF**

**GRAPHIC ARTS CENTER
2000 NW WILSON
PORTLAND, OREGON**

ATC PROJECT NO. 38.90738.5281

April 21, 2000

**REPORT OF
PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
OF**

**GRAPHIC ARTS CENTER
2000 NW WILSON
PORTLAND, OREGON**

ATC PROJECT NO. 38.90738.5281

April 21, 2000

Prepared by:

**ATC Associates Inc.
11825 SW Greenburg Rd., Suite 2B
Tigard, Oregon 97223
Phone: (503) 684-0525
Fax: (503) 624-0415**

Prepared for:

**Mail-Well Corporation
23 Inverness Way East, Suite 160
Englewood, Colorado 80112**

Attn: Mark Zoeller



11825 Southwest Greenburg Road
Suite 2B
Tigard, Oregon 97223
503.684.0525
Fax 503.624.0415

April 21, 2000

Mr. Mark Zoeller
Mail-Well Assistant General Counsel
23 Inverness Way East
Suite 160
Englewood, Colorado 80112

Subject: Phase I Environmental Site Assessment Update
Graphic Arts Center
Portland, OR
ATC Project No. 38.90738.5281

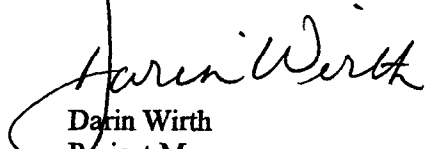
Dear Mr. Zoeller:


ATC Associates Inc. (ATC) has completed the Phase I Environmental Site Assessment Update of the Graphic Arts Center located in Portland, Oregon. The assessment was performed per your request of April 3, 2000. This report includes the results of our findings from visual reconnaissance, records and regulatory review, and related sources.

ATC appreciates the opportunity to be of service to Mail-Well for this project. If you have questions about information in this report or if we can be of further assistance, please contact either of the undersigned at (503) 684-0525.

Sincerely,

ATC Associates Inc.


Darin Wirth
Project Manager


Fritz Leonard
Senior Project Manager

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
Graphic Arts Center
Portland, Oregon

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Graphic Arts Center
Portland, Oregon

1.0 CERTIFICATION AND RELIANCE

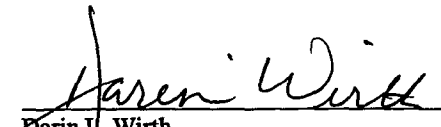
ATC Associates Inc. (ATC) has performed a Phase I Environmental Site Assessment Update (ESA Update) of the Graphic Arts Center building (the Site) located at 2000 NW Wilson Avenue in Portland, Oregon. Darin Wirth, Project Manager of ATC, conducted the site reconnaissance on April 12, 2000. The ESA Update included environmental regulatory database review, interviews, Site observations, and report preparation. The scope of the ESA Update was in general accordance with the ASTM Standard Practice E 1527-97. This report includes ATC's findings, conclusions, recommendations and supporting documentation.

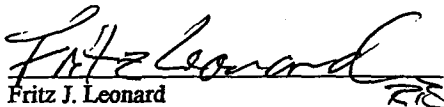
This report is for the use and benefit of, and may be relied upon by Mail-Well Corporation or any of its affiliates, and third parties authorized by Mail-Well, Corporation including the lender(s) in connection with a secured financing of the property, and their respective successors and assigns. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in the report, the terms and conditions of the project contract with Mail-Well, Inc., with the exception of the limit of liability, and with the acknowledgment that actual Site conditions may change with time, and that hidden conditions may exist at the Site that were not discoverable within the authorized scope of the assessment.

Regardless of the findings stated in this report, ATC is not responsible for consequences or conditions arising from facts that were concealed, withheld, or not fully disclosed at the time the assessment was conducted. ATC makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either express or implied.

ATC's liability to any third party authorized to use or rely on this report with respect to any acts or omissions shall be limited to a maximum of \$50,000 per site. In the event that an authorized third party does not wish to limit ATC's liability to this sum, ATC will waive this limitation up to \$1,000,000 provided that the authorized third party agrees in writing prior to receiving a copy of this report to pay for this waiver an additional consideration of 10 percent of ATC's total fee for the report or \$500, whichever is greater. It is the express intention of the parties that the payment of this sum be a Waiver of Limitation of Liability Charge and shall not be construed as being a charge for insurance of any type, but will be increased consideration for the greater risk involved.

ATC ASSOCIATES INC.


Darin I. Wirth
Project Manager


Fritz J. Leonard
Senior Project Manager

2.0 EXECUTIVE SUMMARY

At the request of Mail-Well, Corporation, ATC performed a Phase I ESA Update of the Graphic Arts Center property (herein referred to as the Site). The Site was located at 2000 NW Wilson in the City of Portland, County of Multnomah, State of Oregon. The Site and surrounding areas were characterized by primarily commercial and residential uses. The Site consists of $\frac{1}{4}$ of a city block occupying approximately 2 acres of land. The Site contained one commercial building comprising of approximately 140,000 square feet. The building was initially constructed in 1948. At the time of ATC's site investigation, the Site was used as a commercial printing facility.

The main objective of the ESA Update was to identify the presence or likely presence, use, or release on the Site of hazardous substances or petroleum products such as is defined in ASTM E 1527-97 as a *recognized environmental condition*. The ESA included a review of environmental agency databases, previous reports, historical documents; visual observation of the Site and neighboring properties and interviews with selected Site representatives. A summary of the findings and conclusions are listed below:

Adjacent Properties

- Adjacent properties included both commercial and residential uses. American Pacific Corp. Marine & Industrial Supply was located to the north across NW York Street. Boise Cascade was located adjacent to the south across NW Wilson Avenue. Iron Mountain a data/record management company was located adjacent to the east across NW 20th Avenue. Jasco Supply was located to the southeast. Thompson Machining, a metal fabrication shop was located immediately adjacent to the west with Pac-West Metals and Armstrong Manufacturing Company beyond. Single-family residential properties were located to the southwest.

Regulatory Review

- The Site was identified in the regulatory review as a RCRIS "Small-Quantity and Large-Quantity Hazardous Waste Generator," LUST facility, and a UST facility. The Site was listed as having 15 RCRA violations. According to Mr. Ken Metro, Safety and Environmental Coordinator with GAC, indicated that the Site is now in full compliance with the RCRA reporting requirements and therefore does not pose an environmental concern to the Site. The Site was listed as having two USTs (1,000 and 2,000 gallon capacities) and are used to store petroleum based solvents. Prior to the installation of the two UST in 1989, four USTs were removed from the Site. Soil contamination was discovered and subsequently removed. The Site received "No Further Action Required" from the DEQ in 1989.
- Other regulatory database listed facilities were present in the surrounding area. These facilities have been determined not to pose an environmental threat to the Site based several factors including distance, presumed groundwater gradient, and field observations.

Hazardous Substance Storage/Handling

- Small quantities of printing inks, water-based cleaning solvents, petroleum-based cleaning solvents, janitorial and maintenance chemicals were observed at the Site. ATC did not observe any floor drains in the assembly, printing or chemical storage areas of the Site building. Spill response equipment was observed at various locations throughout the Site. MSDS and a written Hazardous Communication Plan were observed on Site.

Waste Generation, Storage and Disposal

- Waste generated at the Site includes general office waste such as paper, cardboard and other municipal type waste. These non-hazardous materials are discarded and stored in designated dumpsters and containers located at several locations across the Site. The rubbish and recyclable materials are picked up on a weekly basis. According to Mr. Ken Metro, Graphic Arts Center generates approximately 1,100 gallons of petroleum-based

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Graphic Arts Center
Portland, Oregon

cleaning solvent/ink waste on a quarter-annual basis. All waste chemicals generated at the Site are disposed of by Safety Kleen on an as needed basis. Silver recovery for the film processing system is conducted on Site and is located in the printing area. Silver is recovered into the system and the remaining waste water is filtered and disposed of into the sanitary sewer.

Storage Tanks

- ATC observed two underground storage tanks (USTs) at the Site during the Site reconnaissance. Historical and regulatory research indicated that four USTs were removed from the Site in 1989 and replaced with new steel tanks with a 1,000 and 2,000 gallon capacity. The new tanks contain petroleum-based solvents for cleaning the printing equipment used at the Site.

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE

Graphic Arts Center
Portland, Oregon

3.0 INTRODUCTION

This report summarizes the findings of a Phase I Environmental Site Assessment Update (ESA Update) of the Graphic Arts Center building located at 2000 NW Wilson in Portland, Oregon. The Site reconnaissance was performed on April 12, 2000. Darin Wirth, Project Manager with ATC performed the Site reconnaissance. Mr. Ken Metro, the Safety / Environmental Coordinator of Graphic Arts Center escorted Mr. Wirth during the Site reconnaissance. Weather conditions during the Site reconnaissance were sunny and moderate (approximately 60°F).

3.1 Purpose and Scope

The purpose of this report was to identify *recognized environmental conditions* and certain other potential environmental conditions as they existed at the Site at the time of the Site reconnaissance. This assessment was conducted using generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-97. The scope of work completed for this assessment included the following:

- Review of physical characteristics of the Site from Site reconnaissance observations.
- An evaluation of existing Site conditions from observations and interviews.
- An evaluation of existing adjoining and nearby properties to identify the potential for environmental conditions (if present or suspected) to migrate onto the Site.
- An evaluation of information contained within federal and state environmental databases and other local environmental records, within specific search distances.
- A review of prior environmental studies conducted at the Site referenced as follows:

Phase I Environmental Site Assessment – Graphic Arts Center Corporation – 2000 NW Wilson – Portland, Oregon, Pilko & Associates, dated July 31, 1995.

OMNI Environmental Services, Inc. – Emergency Response Plan, HazCom & Contingency plan for Graphic Arts Center, dated November 12, 1998.

4.0 SITE DESCRIPTION

4.1 Site Location and Description

1. The Site was a commercial printing facility which occupied an entire city block at the corner of NW Wilson and 20th Avenue in the City of Portland, Multnomah County, Oregon. The Site was developed into one large rectangular shaped commercial building (approximately 140,000 square feet).

Photographs from the Site reconnaissance are included in Appendix A. Appendix B includes Figure 1 and 2. Figure 1- Topographic Map depicts the Site location on a USGS topographic map. Figure 2 - Site Plan depicts details of the Site and adjoining properties.

The Site building was two-story and was constructed of concrete tilt-up or brick on a slab-on-grade foundation. Interior walls were wallboard. The ceilings were primarily suspended with laid-in panels in the office spaces. Interior floor coverings included a variety of floor tile, bare concrete and carpet.

Asphalt-paved parking and driveways comprised the remaining area around the Site buildings. Small areas of landscape surrounded the buildings and perimeter areas.

Catch basins located in the paved portions of the Site capture storm water runoff. The runoff is then conveyed by pipe to the City of Portland (Metro) storm sewer.

Public utilities serving the Site included the following:

Domestic water:	City of Portland
Sewer:	City of Portland
Electricity:	Portland General Electric
Natural Gas:	Northwest Natural

Two above ground pad-mounted electrical transformer were situated at the southwest and northeast corners of the facility. Solid waste dumpsters were observed at the southwest portion of the. The areas adjacent to the electrical transformers and dumpsters appeared to be free of staining and no environmental concerns were noted at the time of ATC's Site visit.

4.2 Physical Setting

4.2.1 Topography

The Site exhibited relatively flat topography. The Site and surrounding areas, as depicted on a United States Geological Survey (USGS) topographic map, exhibited a gradual slope downward towards the northeast. The Site elevation is approximately 40 feet above mean sea level (MSL). The Willamette River is located approximately ¼ mile to the northeast of the Site.

A copy of the USGS topographic map is included in Appendix B as Figure 1 - Topographic Map.

4.2.2 Geology

The Site is located on a flood terrace at the confluence of the Willamette River and the Columbia River. The northern Willamette River empties into the Columbia River 9 miles northwest of the Site. The Columbia River Basin extends west to the Rocky Mountains of Idaho and dissects the Cascade Range east of Portland and then flows west to the Pacific Ocean. The Willamette River originates in southern Oregon and drains the valley between the Cascade Range and the Coastal Range. The regional topography and geology have been influenced by the glacial flooding events which occurred during the Pleistocene epoch. The Site is underlain by fluvial and

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lacustrine sediments deposited during and after the most recent glacial incursion. These sediments are composed primarily of interbedded silt, sand, and gravel along with small quantities of organic material. Underlying the glacial/fluvial unconsolidated deposits are the Troutdale and Sandy River Mudstone formations which reach a combined 800 foot thickness. Beneath these units are undifferentiated Columbia River lava flow deposits. Source: Oregon Department of Geology and Mineral Resources, "Geological Map of the Portland Quadrangle, Multnomah County, OR" dated 1991.

4.2.3 Soils

Soils mapped at a scale of 1:20,000 identify the area as Urban Land. Areas of this map are used primarily for commercial purposes. Ninety-five percent or more of the soils are covered with buildings, streets, sidewalks, parking lots, rail roads, and other works and structures. Some areas are not covered by works and structures but most of these areas have been so altered during construction that to separate them in mapping was not practical. The original soils were gravelly loam, silt loam, or silty clay loam with some sandy materials. Cuts and fills and grading and compaction by machinery during construction have severely altered the characteristics of the original soils. Source: U.S. Department of Agriculture, Soils Survey of Multnomah County, August 1983.

4.2.4 Hydrology

Specific groundwater information was not readily available for the Site. There were no records found that indicated the presence of water wells on the Site.

The expected groundwater flow direction at the Site is towards the northeast, reflecting local topography of the Site and surrounding area. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations, local usage demands, geology, or underground structures.

5.0 ADJACENT PROPERTIES

The general area of the Site included retail, commercial, and residential land use. The following identifies the adjoining property and surrounding area uses:

Thompson Machining, a metal fabrication shop was located immediately adjacent to the west with Pac-West Metals and Armstrong Manufacturing Company beyond. Single-family residential properties were located to the southwest.

North: The Site was bordered to the north by NW York Street and American Pacific Corp. Marine & Industrial Supply beyond. The Northern Pacific Railroad tracks bordered the Site to the northeast.

South: NW Wilson Street runs along the southern side of the Site. Boise Cascade was located adjacent to the south across NW Wilson Avenue.

East: A warehouse leased by GAC was located across NW 20th Avenue to the east. Additionally, Iron Mountain, a data/record management company was located adjacent to the east across NW 20th Avenue. Jasco Supply was located to the southeast across 20th Avenue and Wilson Avenue.

West: Thompson Machining, a metal fabrication shop was located immediately adjacent to the west with Pac-West Metals and Armstrong Manufacturing Company beyond. Single-family residential properties were located to the southwest.

6.0 REGULATORY RECORD REVIEWS

The databases discussed in this section were obtained from regulatory agency websites. The purpose for reviewing these databases was to ascertain information regarding confirmed or suspected releases of hazardous substances or petroleum products on or near the Site that would be considered a recognized environmental condition. These databases and the search distances used were in accordance with the ASTM Standard Practice E 1527-97. The databases were reviewed for location information that would place the listed facilities within the applicable search distances. The databases were also reviewed for information that would indicate potential to cause an adverse environmental impact to the Site. The information from the databases was used in conjunction with field observations to refine distances with respect to the Site and to evaluate potential threats that could be readily observed from accessible vantagepoints.

6.1 Federal (EPA) Database Reviews

National Priorities Listing (NPL) – Environmental Protection Agency Superfund List

The NPL is a subset of the CERCLIS and lists properties ranked as high priority for cleanup under the Superfund program. Source: NPL database updated February 4th, 2000.

Neither the Site nor other properties within one mile of the Site are listed on the Federal NPL.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List

The CERCLIS List is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites which are, or were, under investigation by USEPA but have not been elevated to the status of a Superfund (NPL) site. Source: USEPA CERCLIS database updated February 14, 2000.

The Site was identified in the CERCLIS-NFRAP database as the Zehrung Corporation (2201 NW 20th Avenue) which was located on the northeast portion of the Site. According to the previous Pilko & Associates Phase I Environmental Site, dated July 31, 1995, this facility was acquired by GAC in 1980 and leased back to the Zehrung Corporation until 1982. The Site was then remediated by GAC. Five UST's were removed from the Site. Remediation of the Zehrung facility involved cleanup of insecticides known to contain PCP, 2,4-D, 2,4,5-T, and DDT. A letter of "No Further Action" was issued by the DEQ on March 23, 1983. Therefore, it is not expected to have adversely impacted the Site based on cleanup of the Site and agency closure.

Resource Conservation and Recovery Information System (RCRIS)

The Resource Conservation and Recovery Act (RCRA) program identifies and tracks hazardous wastes from the point of generation to the point of disposal. The RCRIS database tracks those facilities that treat, store and/or dispose of hazardous materials as defined by RCRA (referred to as TSD facilities). The RCRIS TSD facilities database was reviewed for the Site and for a distance of one-half mile from the Site. The RCRIS CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA. The RCRIS CORRACTS facilities database was reviewed for the Site and for a distance of one mile from the Site. The RCRIS Generator facilities database tracks large and small quantity generators of hazardous waste. The RCRIS Generator facilities database was reviewed for the Site and for facilities that adjoin the Site. Source(s): USEPA ERNS Notifiers List database updated January 6, 2000; USEPA RCRIS database updated December 22, 1999; USEPA CORRACTS database updated September 7, 1999; USEPA RCRIS TSD Facilities database updated October 26, 1999; USEPA RCRIS Regulated Generators database updated December 29, 1999.

Neither the Site nor other facilities within one mile of the Site were listed in the RCRIS CORRACTS database. Neither the Site nor other facilities within 0.5 mile of the Site were listed in the RCRIS TSD database. However, the Site was listed as a RCRIS Small-Quantity Generator, Graphic Art Center (2116 NW 20th

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Graphic Arts Center
Portland, Oregon

Street); Zehrung Corporation (2201 NW 20th Avenue); Paul Giesey Adcrafters (2115 NW 20th Avenue), and as a Large Quantity Hazardous Waste Generator, Graphic Arts Center (2000 NW Wilson Street). No violations were reported for the Site being listed as Small Quantity Generators and Adcrafters and Zehrung no longer occupy the Site. However, 15 Violations were identified for the Site as a Large Quantity Generator in the Environmental Data Resources report located in Appendix C. According to Mr. Ken Metro, Graphic Arts Center Safety and Environmental Coordinator, compliance violations were issued by the DEQ due to missing land disposal restriction records (LDR) during a 1997 DEQ Site inspection. Mr. Metro indicated that the LDR records were immediately filed with the DEQ and that the Site is currently in compliance. Therefore, the Site being listed as RCRA Hazardous Waste Generators does not represent an environmental concern to the Site.

No adjacent RCRIS Generator facilities were listed.

Emergency Response Notification System (ERNS) Database

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. Source: ERNS database updated January 6, 2000.

The Site is not listed on the ERNS database.

6.2 State Database Reviews

Environmental Cleanup Site Information System - ECSIS

The ECSIS database is a comprehensive listing of facilities that are considered to be a threat to public health and welfare by Oregon Department of Environmental Quality (DEQ). A review of the ECSIS database identified 28 SHWS facilities with approximately one mile of the Site. Of the 28 facilities, 24 of the facilities listed are downgradient to the Site and do not represent an environmental concern to the Site. The remaining 4 facilities are listed below. Source: SHWS database updated November 5, 1999.

ADDRESS	DISTANCE/ DIRECTION	ESTIMATED GRADIENT	STATUS/AVAILABLE DATA
Zehrung Corp. (Former) 2205 NW 20 th Avenue Portland	Site	NA	<u>Status:</u> Cleanup Completed 12/30/1989 <u>Affected Media:</u> Soil
Carson Oil Company 2191 NW Savier Portland	<0.5 mile Southwest	Upgradient	<u>Status:</u> Cleanup Started 10/30/89 <u>Affected Media:</u> Soil, groundwater
ESCO - Plant 3 2141 NW 25 th Portland	<0.5 mile Southwest	Upgradient	<u>Status:</u> Reported to DEQ in 1980 - No further information <u>Affected Media:</u> Soil
Consolidated Freightways Inc. 2244 Savier Street Portland	<0.5 mile Southwest	Upgradient	<u>Status:</u> Not Reported <u>Affected Media:</u> Soil

According to the Based on this information, there is no evidence to suggest that these facilities have adversely impacted the Site.

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Leaking Underground Storage Tank (LUST) Database

The Oregon Department of Environmental Quality Leaking Underground Storage Tank (LUST) database was reviewed to identify listings within one-half mile radius of the Site. Source: LUST database updated November 23, 1999.

Sixty-eight LUST facilities were identified within the one-half mile search radius. Of the sixty-eight facilities, fifty-seven are either closed with no further action or are downgradient from the Site and are not referenced in this report. The remaining eleven Sites including the Site are listed as follows:

ADDRESS	DISTANCE/ DIRECTION	ESTIMATED GRADIENT	STATUS/AVAILABLE DATA
GAC 2000 NW Wilson Portland	Site	N/A	Status: Closed – No Further Action 6/19/89 Affected Media: Soil
Boise Cascade Corporation 2017 NW Vaughn Street Portland	Adjacent	Crossgradient	Status: Closed – No Further Action 11/17/89 Affected Media: Soil
Builders Appliance Supply 2012 NW Vaughn Street Portland	Adjacent	Crossgradient	Status: Closed – No Further Action 2/5/93 Affected Media: Soil
Jasco Hot 2001 NW 19 th Avenue Portland	Adjacent	Downgradient	Status: Cleanup Started 1997 Affected Media: Soil
Johnson Acoustical & Supply Co 2001 NW 19 th Avenue Portland	Adjacent	Downgradient	Status: Closed – No Further Action 8/17/87 Affected Media: Soil
Elsasser / Cascadden 1533 NW 24 th Portland	.5 mile southwest	Upgradient	Status: Cleanup Started 3/15/96 Affected Media: Soil
US West 1600 NW 24 th Portland	.5 mile southwest	Upgradient	Status: Pending Affected Media: Soil
Belvedere Apartments 1204 NW 20 th Portland	.5 mile southwest	Upgradient	Status: Reported 3/16/92, DEQ recommended further oversite. Affected Media: Soil
Forest Park Post Office 1706 NW 24 Portland	.5 mile southwest	Upgradient	Status: Reported 4/16/92 No further info Affected Media: Soil
Super One 2426 NW Vaughn Portland	.5 mile southwest	Upgradient	Status: Reported 8/6/92 Affected Media: Soil
Consolidated Freightways 1621 NW 21 st Ave Portland	.5 mile southwest	Upgradient	Status: Not Listed Affected Media: Soil,

In 1988 and 1989 during the removal of four USTs, petroleum and solvent contamination was discovered. Approximately 80 cubic yards of contaminated soil was removed from the Site. Confirmatory soil sampling

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE

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indicated total petroleum hydrocarbon (TPH) in the remaining soils had concentrations of 5 to 6 ppm. Following cleanup of the Site soils, the DEQ issued a "No further Action Required" in 1989.

None of the listed adjacent LUST facilities are expected to have adversely impacted the Site. The seven facilities listed above that were located upgradient relative to the Site do not have reported groundwater impacts and in most cases contaminated soil has been cleaned up. Based on this information, there is no evidence to suggest that these facilities have adversely impacted the Site and further investigation does not appear warranted at this time.

Underground Storage Tank (UST) Database

The Oregon Department of Environmental Quality Underground Storage Tank (UST) identifies facilities with regulated USTs that are registered as required. The UST facilities database was reviewed for the Site and for facilities that adjoin the Site. Source: UST database updated November 1, 1999.

According to regulatory research, four USTs were removed from the Site in 1989 and replaced with new steel tanks with a 1,000 and 2,000 gallon capacity. The new tanks contain petroleum-based solvents for cleaning the printing equipment used at the Site. Two UST facilities were identified on adjacent properties and are listed as follows:

ADDRESS	DISTANCE/ DIRECTION	ESTIMATED GRADIENT	STATUS/AVAILABLE DATA
Boise Cascade Corporation 2017 NW Vaughn Street Portland	Adjacent	Crossgradient	Status: One Active tank Three Decommissioned 1989
Builders Appliance Supply 2012 NW Vaughn Street Portland	Adjacent	Crossgradient	Status: No active tanks Decommissioned 1992

Both Boise Cascade and Builders Appliance Supply were identified on the LUST database. However cleanup at the facilities has been completed and the facilities have received "No Further Action Required" status from the DEQ. Therefore the need for further investigation is not warranted.

6.3 Local Regulatory Agency Research

Portland Fire Bureau

ATC contacted the Portland Fire Bureau records for environmentally significant information regarding the Site. This review did not identify any environmentally significant information. The records indicated that GAC installed one 1500 gallon and one 500 gallon UST in 1968. Additional records indicated the tanks were replaced in 1989. No other information was on file with the department.

Oregon State Fire Marshals Office

ATC contacted the Oregon State Fire Marshals office for records of any hazardous materials or spill responses. No incidents were on file with the department. Records obtained from the department reported fifteen chemicals used at the Site. A list of the chemicals used can be located in Appendix C. No other information was on file with the department.

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Graphic Arts Center
Portland, Oregon

7.0 SITE RECONNAISSANCE AND INTERVIEWS

7.1 Interviews

The following knowledgeable persons were interviewed with regard to the Site:

NAME	TITLE/COMPANY	YEARS AT SITE
Mr. Ken Metro	Safety Manager of Graphic Arts Center and Printing Company	Since 1993
Ms. Becky McNamara	Oregon Fire Bureau	N/A
Ms. Angela Johnson	Oregon State Fire Marshals Office	N/A

Pertinent information provided during the above-listed interviews is referenced in applicable sections of this report.

7.2 Hazardous Substance Storage

Many types of inks and hazardous substances used in the printing process and maintenance of the Site were observed in various locations throughout the Site. These materials included soaps, detergents, cleansers, mild corrosives, and paints. All of these materials were observed in their original packaging and properly stored. A record of the materials used at the Site was on file at the Oregon State Fire Marshals office. A copy of the public report is located in Appendix D.

7.3 Solid Waste Generation, Storage and Disposal

Waste generated at the Site includes general office waste such as paper, cardboard and other municipal type waste. These non-hazardous materials are discarded and stored in designated dumpsters and containers located at several locations across the Site. The rubbish and recyclable materials are picked up on a weekly basis. According to Mr. Ken Metro, Graphic Arts Center generates approximately 1,100 gallons of petroleum-based cleaning solvent/ink waste on a quarterly-basis. All waste chemicals generated at the Site are disposed of by Safety Kleen on an as needed basis. Silver recovery for the film processing system is conducted on Site and is located in the printing area. Silver is recovered into the system and the remaining waste water is filtered and disposed of into the sanitary sewer.

The overall housekeeping of GAC can be described as well maintained. ATC observed no oil, ink or other chemical staining at the Site. ATC did not observe any floor drains in the assembly, printing or chemical storage areas of the Site building. Spill response equipment was observed at various locations throughout the Site. MSDS and a written Hazardous communication plan were observed on Site.

7.4 Storm Water Management/Surface Areas

Catch basins located in the paved portions of the Site capture storm water runoff. The runoff is then conveyed into the City of Portland's storm water system located in the streets surrounding the Site.

7.5 Storage Tanks

ATC observed the presence of USTs at the Site during the Site reconnaissance. The records indicated that GAC installed one 1500 gallon and one 500 gallon UST in 1968. Historical research indicated that two USTs were replaced at the Site in 1989. Mr. Ken Metro, Safety & Environmental Coordinator with GAC indicated the tanks contained solvents for cleaning the printing equipment used at the facility. According to Mr. Metro the UST are in compliance with the Federal UST compliance requirements.

7.6 Polychlorinated Biphenyls (PCBs)

There were two pad-mounted electrical transformers observed within the Site during the Site reconnaissance. The transformers are owned by Portland General Electric based on markings on the transformer cabinets. The transformer had a label indicating that the transformer contained less than 1 part per million PCBs.

Fluorescent lighting was observed throughout the interior areas. Fluorescent light ballasts manufactured before 1979 can contain PCBs. Ballasts manufactured after 1979 are labeled with "no PCBs" or similar designation. Based on the 1975 construction date of the northeast quadrant of the building, there is a potential that ballasts containing PCBs may have been installed. Therefore, ballasts should be inspected for labeling and leaks during change out. Unlabeled ballasts should be handled and disposed of according to applicable regulations.

8.0 FINDINGS AND CONCLUSIONS

ATC has performed a Phase I Environmental Site Assessment Update in conformance with the scope and limitations of ASTM Practice E 1527-97 of the Graphic Arts Center located at the 2000 NW Wilson in Portland, Oregon. Any additions to, exceptions to, or deletions from this practice are described in Section 9.0 of this report. This assessment did not identify *recognized environmental conditions* in connection with the Site.

9.0 LIMITATIONS

ATC has prepared this Phase I Environmental Site Assessment Update using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Site. The methodology of this Phase I Environmental Site Assessment was consistent with the ASTM Standard Practice for E 1527-97. Findings within this report are based on information collected from observations made on the day of the Site investigation and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other construction purposes. ATC makes no representation or warranty that the past or current operations at the Site are or have been in compliance with all applicable federal, state and local laws, regulations and codes.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment of aboveground and underground storage tanks and ancillary equipment. "Reasonable efforts" are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to snow cover, paving, construction or debris pile storage, or incorrect information from sources.

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Graphic Arts Center
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APPENDIX A
SITE PHOTOGRAPHS

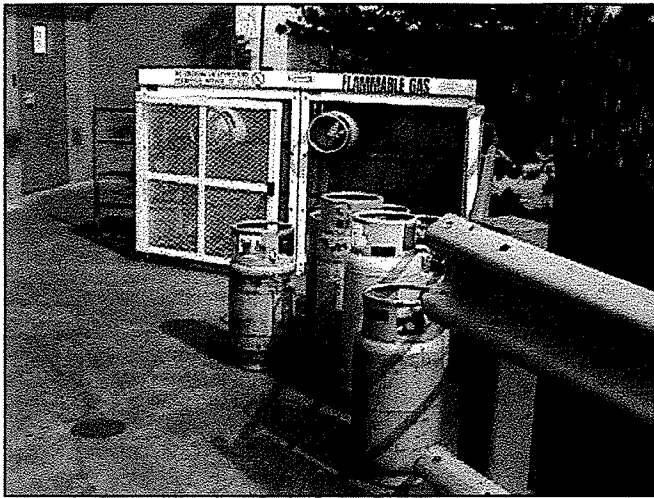


Photo 9: View of propane storage area.

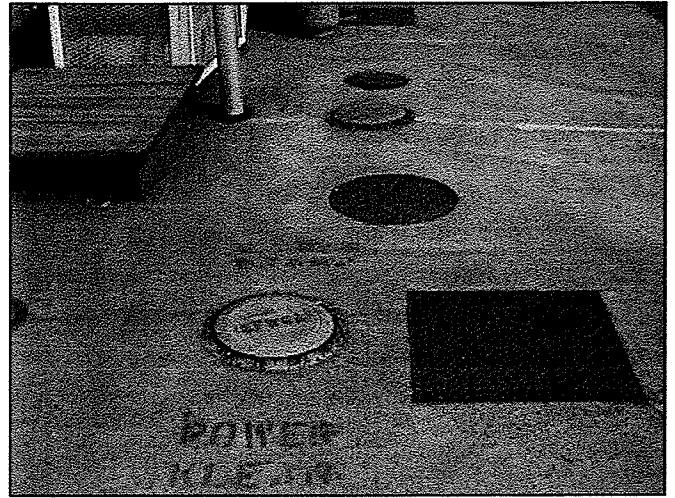


Photo 10: View of UST location.



Photo 11: View of power transformer.

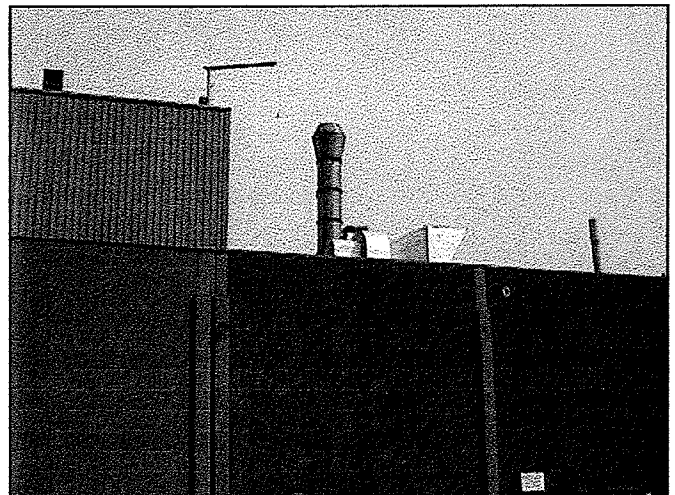


Photo 12: View of thermal oxidizer.



PROJECT NO.: 38-90738.5281

DESIGNED BY: DLW	N/A	TYPE: SITE PHOTO
DRAWN BY: DLW	DATE: 4/19/2000	FILE: GACPHO3.VSD

SITE PHOTOGRAPHS

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
 GRAPHIC ARTS CENTER
 2000 NW WILSON AVENUE
 PORTLAND, OREGON

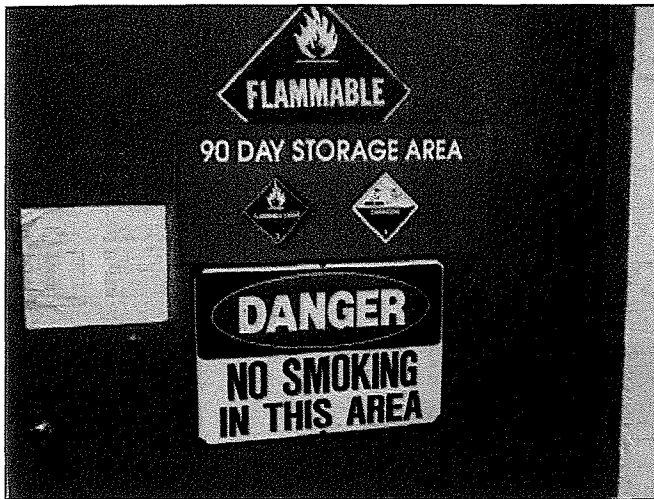


Photo 5: View of 90 day storage area.



Photo 6: View inside 90 storage area.



Photo 7: View of printing ink station.

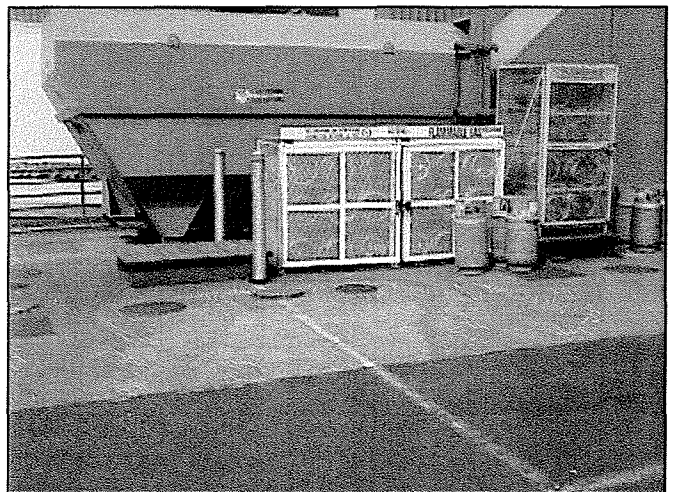


Photo 8: View of trash compactor, propane storage, and UST's.



PROJECT NO.: 38-90738.5281

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DRAWN BY: DLW	DATE: 4/19/2000	FILE: GACPHO2.VSD

SITE PHOTOGRAPHS

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
GRAPHIC ARTS CENTER
2000 NW WILSON AVENUE
PORTLAND, OREGON



Photo 1: View of east boundary facing north.



Photo 2: View of west boundary facing north.

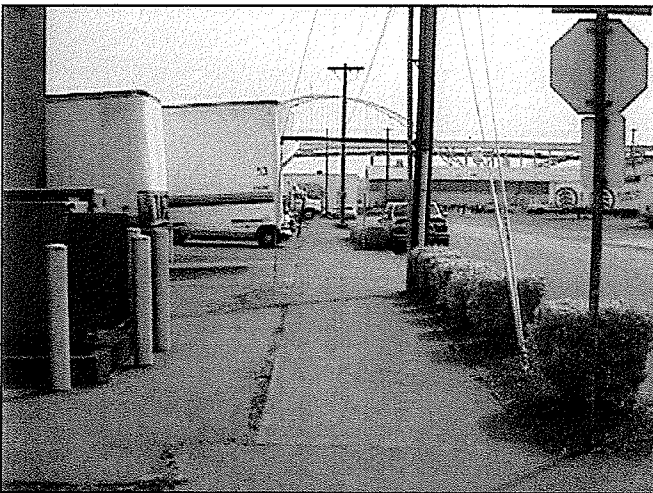


Photo 3: View of south boundary facing east.

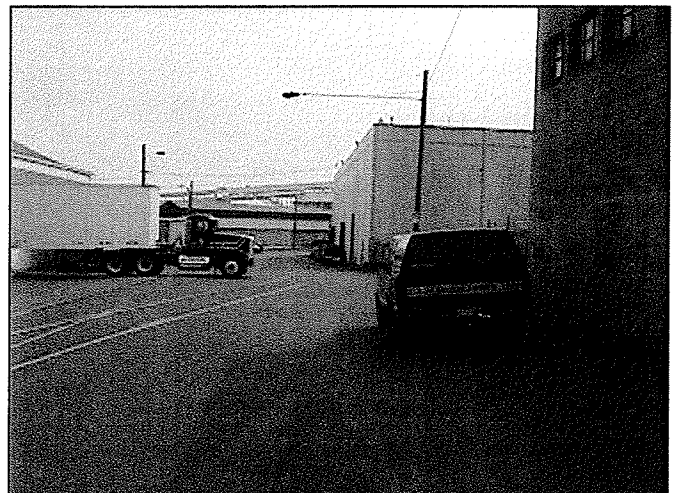


Photo 4: View of north boundary facing east.



PROJECT NO.: 38-90738.5281

DESIGNED BY: DLW

N/A

TYPE: SITE PHOTO

DRAWN BY: DLW

DATE: 4/19/2000

FILE: GACPH01.VSD

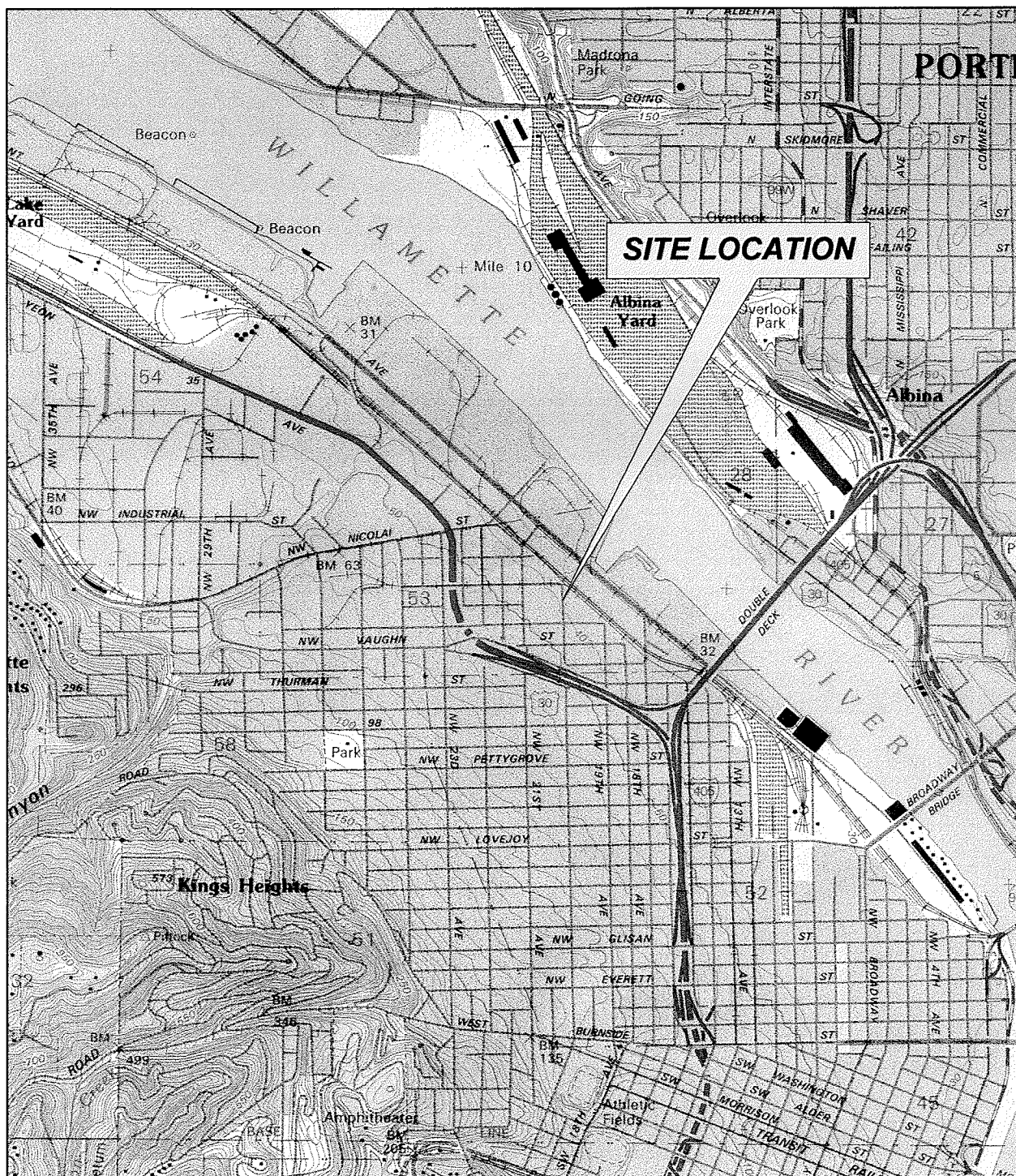
SITE PHOTOGRAPHS

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
GRAPHIC ARTS CENTER
2000 NW WILSON AVENUE
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PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
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Portland, Oregon

APPENDIX B

FIGURES



PROJECT NO.: 38-90738.5281

DESIGNED BY: DLW	SCALE: 1:24,000	TYPE: VICINITY
DRAWN BY: DLW	DATE: 4/19/2000	FILE: GACVIC.VSD

SITE VICINITY

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
GRAPHIC ARTS CENTER
2000 NW WILSON AVENUE
PORTLAND, OREGON

LEGEND

- Underground Storage Tanks
- Pad Mounted Transformer



American Pacific Corp.
Marine & Industrial Supply

NW YORK STREET

Pac-West Metals

Thompson
Machining

Parking

GAC
Leased
Warehouse

NW 21st AVENUE

NW 20th AVENUE

Armstrong
Manufacturing Co.

Graphic Arts Center

Waste Area

Propane

Iron Mountain Data

NW WILSON STREET

Residential
Properties

Boise Cascade

JASCO



ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

PROJECT NO.: 38-90738.5281

DESIGNED BY: DLW

NTS

TYPE: SITE MAP

DRAWN BY: DLW

DATE: 4/19/2000

FILE: GACMAP.VSD

SITE MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
GRAPHIC ARTS CENTER
2000 NW WILSON AVENUE
PORTLAND, OREGON

APPENDIX C

ENVIRONMENTAL DATA RESOURCES, INC. REPORT



The EDR-Radius Map with GeoCheck®

**Graphic Arts Center
2000 NW Wilson Street
Portland, OR 97209**

Inquiry Number: 1483291.1p

April 10, 2000

***The Source* For Environmental Risk Management Data**

**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	5
Orphan Summary	147
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Government Records Searched/Data Currency Tracking	150

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A156
Physical Setting Source Summary	A157
Physical Setting Source Map	A161
Physical Setting Source Map Findings	A162
Physical Setting Source Records Searched	A164

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY ADDRESS

2000 NW WILSON STREET
PORTLAND, OR 97209

TARGET PROPERTY COORDINATES

Latitude (North): 45.537900 - 45° 32' 16.4"
Longitude (West): 122.691400 - 122° 41' 29.0"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 524094.5
UTM Y (Meters): 5042536.0

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2445122-E6 PORTLAND, OR WA
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 5 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
GRAPHIC ARTS CENTER 2000 NW WILSON ST PORTLAND, OR 97209	FINDS RCRIS-LQG TRIS UST HSIS LUST	ORD009051665

SURROUNDING SITES: DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-97 search radius around the target property for the following Databases:

FEDERAL ASTM STANDARD

NPL:..... National Priority List
Delisted NPL:..... NPL Deletions
CERCLIS:..... Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:..... Corrective Action Report
RCRIS-TSD:..... Resource Conservation and Recovery Information System
ERNS:..... Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF:..... Solid Waste Facilities List

FEDERAL ASTM SUPPLEMENTAL

CONSENT:..... Superfund (CERCLA) Consent Decrees

TC1483291.1p EXECUTIVE SUMMARY 1

EXECUTIVE SUMMARY

ROD:..... ROD
HMIRS:..... Hazardous Materials Information Reporting System
MLTS:..... Material Licensing Tracking System
MINES:..... Mines Master Index File
NPL Lien:..... NPL Liens
PADS:..... PCB Activity Database System
RAATS:..... RCRA Administrative Action Tracking System
TSCA:..... Toxic Substances Control Act

STATE OR LOCAL ASTM SUPPLEMENTAL

OR SPILLS:..... OR SPILLS
OR VCS:..... Voluntary Cleanup Program Sites
OR HAZMAT:..... Hazmat/Incidents

EDR PROPRIETARY DATABASES

Coal Gas:..... Former Manufactured gas (Coal Gas) Sites.

SURROUNDING SITES: DATABASES WITH MAPPED SITES

Unmapped (orphan) sites are not considered in the foregoing analysis.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

FEDERAL ASTM STANDARD

CERCLIS-NFRAP: As of February 1995. CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/14/2000 has revealed that there is 1 CERC-NFRAP site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>ZEHRUNG CORPORATION</i>	<i>2201 NW 20TH</i>	<i>0 - 1/8 N</i>	<i>B4</i>	<i>12</i>

EXECUTIVE SUMMARY

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 12/22/1999 has revealed that there are 9 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PAUL O GIESEY ADCRAFTERS	2115 NW 20TH AVE	0 - 1/8 N	A2	11
GRAPHIC ART CENTER	2116 NW 20TH ST	0 - 1/8 N	A3	11
ZEHRUNG CORPORATION	2201 NW 20TH	0 - 1/8 N	B4	12
MONARCH MACHINE CO	2130 NW YORK	1/8 - 1/4NW	F16	23
C G CONSTRUCTION	1801 NW UPSHUR ST STE 4	1/8 - 1/4SE	G19	24
RELIANCE ELECTRIC	2315 NW 21ST PL	1/8 - 1/4NW	F22	30
ELECTRICAL CONSTRUCTION	2121 NW THURMAN	1/8 - 1/4SW	H23	30
AMERITONE PAINT CORP	2100 NW 22ND AVE	1/8 - 1/4W	I28	31
A T & T CORP	2355 NW 22ND AVE	1/8 - 1/4WNW	L35	40

STATE ASTM STANDARD

ECSI: The Environmental Cleanup Site Information System records information about sites in Oregon that may be of environmental interest. The data come from the Department of Environmental Quality.

A review of the SHWS list, as provided by EDR, and dated 11/05/1999 has revealed that there are 28 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ZEHRUNG CORP. (FORMER)	2205 NW 20TH AVE	0 - 1/8 N	B5	12
CARSON OIL CO INC	2191 NW SAVIER ST	1/4 - 1/2SW	N43	42
CONSOLIDATED FREIGHTWAYS INC.	2244 NW SAVIER ST	1/4 - 1/2SW	N46	45
STATES BATTERY CO.	2258 NW SUFFOLK ST	1/4 - 1/2NW	72	56
SULZER PUMPS INC	2800 NW FRONT AVE	1/4 - 1/2NNW	Q77	61
ESCO PLANT #3	2141 NW 25TH AVE	1/4 - 1/2W	T85	66
GENDER MACHINE WORKS INC	1335 NW NORTHRUP ST	1/2 - 1 SE	91	70
UNOCAL SERVICE STATION #0738	930 NW 18TH AVE	1/2 - 1 SSE	92	72
MERCER INDUSTRIES - PORTLAND	2636 NW 26TH AVE	1/2 - 1 WNW	93	74
WILBUR-ELLIS CO. - PORTLAND	1220 NW MARSHALL ST	1/2 - 1 SE	94	77
DASIC INTERNATIONAL CORP.	3125 NW FRONT AVE	1/2 - 1 NW	95	79
GUILDS LAKE	2615-2619 NW INDUSTRIAL	1/2 - 1 WNW	U96	81
PACIFIC STATES GALVANIZING	805 NW 14TH AVE	1/2 - 1 SSE	V98	88
HOYT ST RAILYARD	1105 NW 9TH AVE	1/2 - 1 SE	W100	93
SCHMITT FORGE INC	2765 NW NICOLAI ST	1/2 - 1 W	102	100
INDUSTRIAL BATTERY BUILDING	3166 N GREELEY AVE	1/2 - 1 NE	103	103
AMERICAN MACHINE AND GEAR	2770 NW INDUSTRIAL ST	1/2 - 1 WNW	104	105
UNION PACIFIC RR - ALBINA YARD	2745 N INTERSTATE AVE	1/2 - 1 ENE	105	107
FORMER MANUFACTURED GAS PLANT	838 NW 9TH AVE	1/2 - 1 SE	106	112
HOYT ST TRAIN YARD - PARCEL 1	1101 NW HOYT ST	1/2 - 1 SE	107	116
NUDELMAN & SON INC.	2707 NW NELA ST	1/2 - 1 WNW	X108	119
LONGVIEW CITY LAUNDRY & CLEANE	2737 NW NELA ST	1/2 - 1 WNW	X109	121
CASCADE BRAKE PRODUCTS	698 N PAGE ST	1/2 - 1 E	110	125
PRIESTLEY OIL & CHEMICAL CO.	2429 N BORTHWICK AVE	1/2 - 1 E	111	126
GALVANIZERS CO.	2406 NW 30TH AVE	1/2 - 1 W	112	130
PACO PUMPS	2551 NW 30TH AVE	1/2 - 1 W	113	134
STAGES BUILDING	418 NW 11TH AVE	1/2 - 1 SSE	114	138

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MASTER CHEMICAL INC.	642 N TILLAMOOK ST	1/2 - 1 E	115	143

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's LUST Database List.

A review of the LUST list, as provided by EDR, and dated 11/23/1999 has revealed that there are 67 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BUILDERS APPLIANCE SUPPLY	2012 NW VAUGHN ST	0 - 1/8 S	C6	16
BOISE CASCADE CORPORATION	2017 NW VAUGHN ST	0 - 1/8 SSW	C7	16
PORTLAND FROZEN FOOD HOT	1995 NW UPSHUR ST	0 - 1/8 S	8	21
JASCO HOT	2001 NW 19TH AVE	0 - 1/8 ESE	D9	21
JOHNSON ACOUSTICAL & SUPPLY CO	2001 NW 19TH AVE	0 - 1/8 ESE	D10	21
POPE RIGGING LOFT, INC.	2126 NW WILSON ST	0 - 1/8 W	11	22
A-BOY ELECTRIC	1919 NW 19TH AVE	1/8 - 1/4 SE	12	22
AMERICAN PACIFIC CORP.	2320 NW 21ST AVE	1/8 - 1/4 NW	E13	22
SOUTHWEST INDUSTRIAL SUPPLY	2353 NW 21ST AVE	1/8 - 1/4 NW	E15	22
I.R.C. ALUMINUM AND STAINLESS	2130 NW YORK ST	1/8 - 1/4 NW	F17	23
OREGON STATE HWY. PROPERTY	NW 19TH / THURMAN	1/8 - 1/4 SE	18	23
FEDERATED-FRY METALS	1900 NW 18TH AVE	1/8 - 1/4 SE	G20	24
ELECTRICAL CONSTRUCTION DISTRI	2121 NW THURMAN ST	1/8 - 1/4 SW	H24	30
AMERITONE PAINTS HOT	2100 NW 22ND AVE	1/8 - 1/4 W	I26	31
AMERITONE PAINT CORP. NW DIV.	PO BOX 10164	1/8 - 1/4 W	I27	31
RAPID TRANSFER CO. - TRUCK YAR	2030 NW 17TH AVE	1/8 - 1/4 E	J29	39
TEA, INC.	2090 NW FRONT AVE	1/8 - 1/4 E	31	39
CONSOLIDATED FREIGHTWAYS	1947 NW SAVIER ST	1/8 - 1/4 SSE	32	39
CONSOLIDATED FREIGHTWAYS	1621 NW 21ST AVE	1/8 - 1/4 SSW	K33	40
CONSOLIDATED FREIGHTWAYS, INC.	1621 NW 21ST AVE	1/8 - 1/4 SSW	K34	40
CARSON OIL CO., INC.	2169 NW THURMAN ST	1/8 - 1/4 SW	M38	41
PREMIER GEAR AND MACHINE WORKS	1700 NW THURMAN ST	1/8 - 1/4 SE	39	41
PORT OF PORTLAND - T-1, WAREHO	2200 NW FRONT AVE	1/4 - 1/2 N	40	41
HELSEY MACHINE WORKS	2401 NW 22ND AVE	1/4 - 1/2 NW	41	42
LUTZ TIRE COMPANY WAREHOUSE HO	1631 NW THURMAN ST	1/4 - 1/2 ESE	42	42
GRIFFITH RUBBER MILLS	2249 NW 22ND	1/4 - 1/2 NW	44	44
PAC SERVE HOT	1705 NW 17TH AVE	1/4 - 1/2 SE	45	44
M K C ENTERPRISES INC	1828 NW RALEIGH ST	1/4 - 1/2 SSE	47	48
HAMPEL ENTERPRISES	2233 NW 23RD AVE	1/4 - 1/2 W	48	49
CONSOLIDATED FREIGHTWAYS QUIMB	2050 NW QUIMBY	1/4 - 1/2 S	49	49
HYDRAULIC & AIR EQUIPMENT COMP	1925 NW QUIMBY ST	1/4 - 1/2 SSE	50	49
KEVEDY INC.	2211 NW NICOLAI ST	1/4 - 1/2 NW	51	49
PGE-SUBSTATION E	2635 NW FRONT AVE	1/4 - 1/2 NNW	52	50
GENERAL DISTRIBUTOR (FICK WARE	1509 NW SAVIER ST	1/4 - 1/2 ESE	53	50
CONSOLIDATED FREIGHTWAYS	2222 NW RALEIGH ST	1/4 - 1/2 SW	54	50
PACAT PROPERTIES/HUTCHESON, DO	1732 NW QUIMBY ST	1/4 - 1/2 SSE	55	50
IMPERIAL PAINT CO INC	2526 NW YEON AVE	1/4 - 1/2 NW	56	51
MILL HOT	1811 NW NAITO PKWY	1/4 - 1/2 ESE	57	53
POWER SUBSTATIONS (GREEN TRANS	2425 NW 23RD PL	1/4 - 1/2 WNW	58	53
SUPER ONE, INC.	SW CORNER OF 24TH / N	1/4 - 1/2 W	59	53
WILL VINTON STUDIOS HOT	1400 NW 22ND AVE	1/4 - 1/2 SSW	60	53
PETRISKIN, S HOT #4	2056 NW OVERTON ST	1/4 - 1/2 S	61	53
HENDRIX MOTOR CO.	1947 NW OVERTON ST	1/4 - 1/2 S	62	54
AITCHISON, P HOT	1313 NW 19TH AVE	1/4 - 1/2 SSE	63	54

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CVARAK, MARIA HOT	1524 NW 23RD AVE	1/4 - 1/2 SW	O64	54
<i>DREW PAINTS INC</i>	<i>1525 NW 23RD AVE</i>	<i>1/4 - 1/2 SW</i>	<i>O65</i>	<i>54</i>
FOOD FRONT	2375 NE THURMAN	1/4 - 1/2 WSW	66	55
RIEMERS & JOLIVETTE	2344 NW 24TH AVE	1/4 - 1/2 WNW	67	55
FOREST PARK POST OFFICE HOT	1706 NW 24TH AVE	1/4 - 1/2 WSW	68	55
<i>JONES OREGON STEVEDORING COMPA</i>	<i>2323 NW SUFFOLK ST</i>	<i>1/4 - 1/2 NW</i>	<i>69</i>	<i>56</i>
LEAVENS, N HOT	2336 NW QUIMBY ST	1/4 - 1/2 SW	P70	56
NORTH COAST CANVAS PROD. CO.	1235 NW 19TH AVE	1/4 - 1/2 SSE	71	56
BELVEDERE APARTMENTS HOT	1204 NW 20TH AVE	1/4 - 1/2 S	73	60
U'REN, D HOT	2287 NW PETTYGROVE ST	1/4 - 1/2 SW	74	60
MURPHY, H HOT (HOFFMAN PROPERT	2355 NW QUIMBY ST	1/4 - 1/2 SW	P75	60
USWEST - 24TH RALEIGH SOC - 01	1600 NW 24TH AVE	1/4 - 1/2 SW	76	60
SULZER - BINGHAM	2800 NW FRONT AVE	1/4 - 1/2 NNW	Q79	65
SELINGER, P HOT	2466 NW THURMAN ST	1/4 - 1/2 WSW	80	65
ELSASSER & CASADDEN	1533 NW 24TH AVE	1/4 - 1/2 SW	81	65
ROSENFELD COMMERCIAL PROPERTY	1428 NW 14TH AVE	1/4 - 1/2 SE	R82	65
<i>DIRECT MAIL/MAIL MARK</i>	<i>1421 NW 14TH AVE</i>	<i>1/4 - 1/2 SE</i>	<i>R83</i>	<i>65</i>
<i>PRO TRUCK LINES</i>	<i>1721 NW NORTHRUP ST</i>	<i>1/4 - 1/2 SSE</i>	<i>S84</i>	<i>66</i>
<i>ESCO CORPORATION</i>	<i>2141 NW 25TH AVE</i>	<i>1/4 - 1/2 W</i>	<i>T86</i>	<i>68</i>
H HIRSCHBERGER CO. INC.	1714 NW NORTHRUP ST	1/4 - 1/2 SSE	S87	69
BURKE, C HOT	2434 NW RALEIGH ST	1/4 - 1/2 WSW	88	69
METROPOLITAN HOMES - OVERTON L	NW OVERTON, BETWEEN NW	1/4 - 1/2 SW	89	69
CARMEN APTS, HOT	2030 NW MARSHALL ST	1/4 - 1/2 S	90	69

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's UST List on Disk.

A review of the UST list, as provided by EDR, and dated 12/07/1999 has revealed that there are 12 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>BUILDERS APPLIANCE SUPPLY</i>	<i>2012 NW VAUGHN ST</i>	<i>0 - 1/8 S</i>	<i>C6</i>	<i>16</i>
<i>BOISE CASCADE CORPORATION</i>	<i>2017 NW VAUGHN ST</i>	<i>0 - 1/8 SSW</i>	<i>C7</i>	<i>16</i>
AMERICAN PACIFIC CORP	2320 NW 21ST AVE	1/8 - 1/4 NW	E14	22
<i>SOUTHWEST INDUSTRIAL SUPPLY</i>	<i>2353 NW 21ST AVE</i>	<i>1/8 - 1/4 NW</i>	<i>E15</i>	<i>22</i>
<i>RELIANCE ELECTRIC</i>	<i>2315 NW 21ST PL</i>	<i>1/8 - 1/4 NW</i>	<i>F21</i>	<i>25</i>
E C COMPANY	2121 NW THURMAN ST	1/8 - 1/4 SW	H25	31
<i>AMERITONE PAINT CORP</i>	<i>2100 NW 22ND AVE</i>	<i>1/8 - 1/4 W</i>	<i>I28</i>	<i>31</i>
RAPID TRANSFER CO - TRUCK YARD	2030 NW 17TH AVE	1/8 - 1/4 E	J30	39
<i>CONSOLIDATED FREIGHTWAYS</i>	<i>1947 NW SAVIER ST</i>	<i>1/8 - 1/4 SSE</i>	<i>32</i>	<i>39</i>
<i>CONSOLIDATED FREIGHTWAYS</i>	<i>1621 NW 21ST AVE</i>	<i>1/8 - 1/4 SSW</i>	<i>K33</i>	<i>40</i>
ZINDA MECHANICAL	2355 NW 22ND AVE	1/8 - 1/4 WNW	L36	41
CARSON OIL CO INC	2169 NW THURMAN ST	1/8 - 1/4 SW	M37	41

STATE OR LOCAL ASTM SUPPLEMENTAL

OR CRL: Sites that are or may be contaminated and may require cleanup.

A review of the OR CRL list, as provided by EDR, has revealed that there are 7 OR CRL sites within approximately 1 mile of the target property.

EXECUTIVE SUMMARY

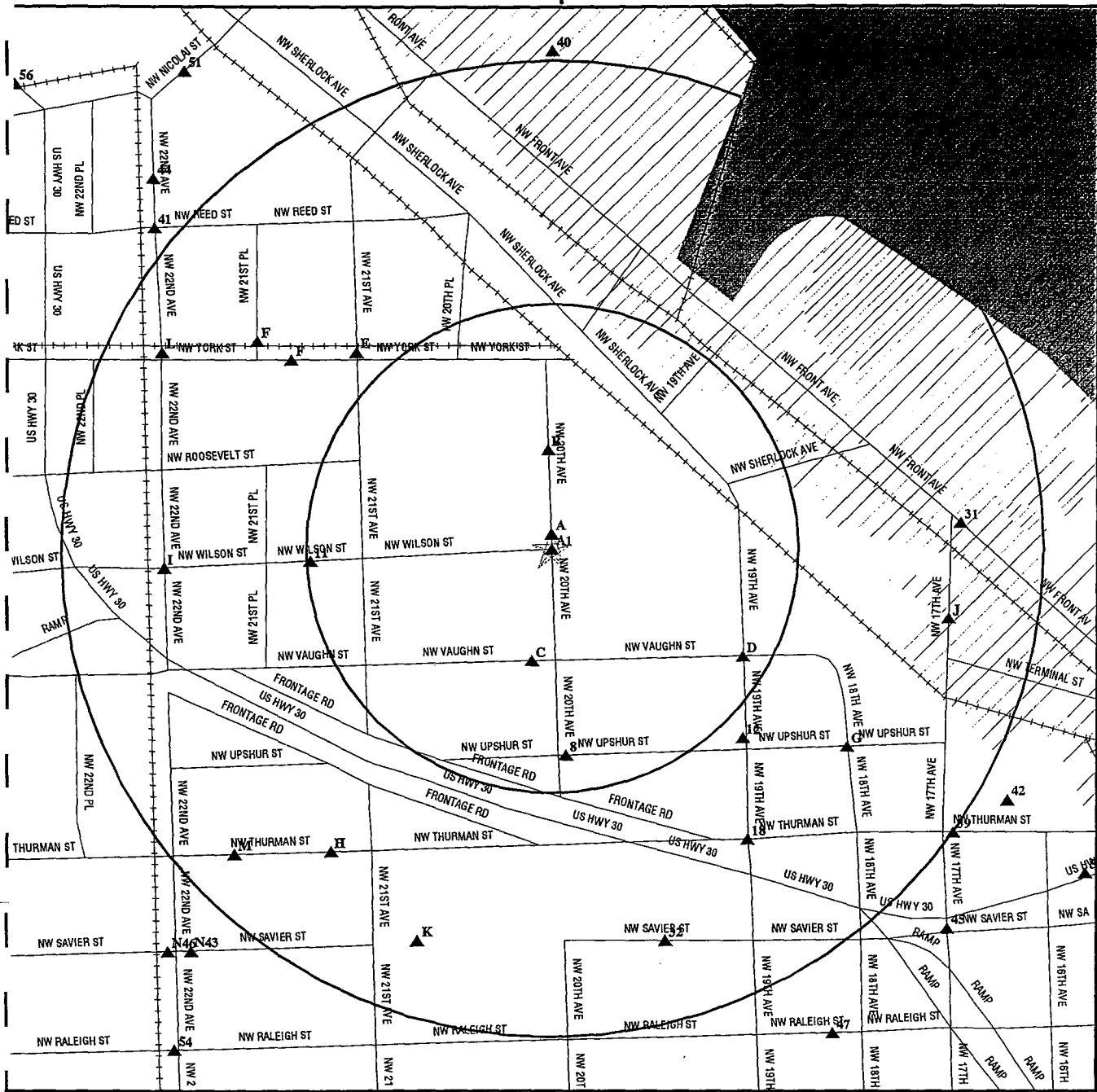
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SULZER BINGHAM PUMPS	2800 NW FRONT AVE	1/4 - 1/2 NNW	Q78	64
GUILDS LAKE	2615 NW INDUSTRIAL ST #	1/2 - 1 WNW	U97	88
PACIFIC STATES GALVANIZING	805 NW 14TH AVE	1/2 - 1 SSE	V99	93
DANT & RUSSELL (DAR) - MILL SI	818 HILLCREST AVE	1/2 - 1 SE	W101	100
<i>UNION PACIFIC RR - ALBINA YARD</i>	<i>2745 N INTERSTATE AVE</i>	<i>1/2 - 1 ENE</i>	<i>105</i>	<i>107</i>
<i>PRIESTLEY OIL & CHEMICAL CO.</i>	<i>2429 N BORTHWICK AVE</i>	<i>1/2 - 1 E</i>	<i>111</i>	<i>126</i>
<i>GALVANIZERS CO.</i>	<i>2406 NW 30TH AVE</i>	<i>1/2 - 1 W</i>	<i>112</i>	<i>130</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
UNION STATION PARCEL 1	SHWS, OR VCS
ANDERSON BROTHERS PROPERTY	SHWS
CITY OF PORTLAND OUTFALLS	SHWS, OR VCS
UNION STATION - PARCEL B SOUTH	SHWS, OR VCS
GROUNDWATER - NW 22ND AVE	SHWS
UNION STATION AGRICULTURAL MARKET	SHWS
PGE - FOREST PARK PROPERTY	SHWS
V&K SERVICE	SHWS
SANTA FE PACIFIC PIPELINES - PORTL	SHWS
PORTLAND HARBOR SEDIMENTS	SHWS
MT. HOOD NF - SITE B	SHWS
MT. HOOD NF - BORROW PIT	SHWS
PACIFICORP. - SMALL SUBSTATIONS	SHWS, OR VCS
DOANE LAKE STUDY AREA	SHWS
ODOT - SURPLUS PROPERTY	SHWS, OR VCS
TEXACO PRODUCT PIPELINE	SHWS, OR CRL
V.A. - COLUMBIA SOUTH SHORE WELLFIE	SHWS
WILLBRIDGE BULK FUEL AREA	SHWS
UNION STATION - TRACK #5	SHWS, OR VCS
BURLINGTON NORTHERN - HUB CENTER	SHWS
PACIFIC CARBIDE	SWF/LF
VANCE PIT	SWF/LF
CLOUDBURST, INC.	SWF/LF
KNAPP'S	SWF/LF
UNION AVE RECYCLE	SWF/LF
LAND RECLAMATION	SWF/LF
ESCO, WILLBRIDGE	SWF/LF
PORTER W. YETT	SWF/LF
PORTER W. YETT	SWF/LF
HAYDEN IS. SLUDGE	SWF/LF
H.G. LAVELLE	SWF/LF
HIDDEN VALLEY	SWF/LF
TROUTDALE PROC	SWF/LF
OBRIST	SWF/LF
MACADAM PROCESSNG	SWF/LF
RIEDEL WASTE DISPOSAL SYSTEM	SWF/LF, OR SPILLS
ESCO SAUVIE ISLAND	SWF/LF
METROPOLITAN HOMES - PETTIGROVE LO	LUST
BENSON INDUSTRIES	RCRIS-SQG, FINDS
NACCO MATERIALS HANDLING GROUP INC	RCRIS-SQG, FINDS

DETAIL MAP - 1483291.1p - ATC Associates Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- ⚡ Sensitive Receptors
- 🏠 National Priority List Sites
- 🗑️ Landfill Sites

- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌊 Wetlands per National Wetlands Inventory (1994)

Areas of Concern



<p>TARGET PROPERTY: Graphic Arts Center ADDRESS: 2000 NW Wilson Street CITY/STATE/ZIP: Portland OR 97209 LAT/LONG: 45.5379 / 122.6914</p>	<p>CUSTOMER: ATC Associates Inc. CONTACT: Darin Wirth INQUIRY #: 1483291.1p DATE: April 10, 2000 4:54 pm</p>
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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	1	0	NR	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	3	6	NR	NR	NR	9
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	1	0	5	22	NR	28
State Landfill		0.500	0	0	0	NR	NR	0
LUST	X	0.500	6	16	45	NR	NR	67
UST	X	0.250	2	10	NR	NR	NR	12
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS	X	TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
OR SPILLS		TP	NR	NR	NR	NR	NR	0
OR CRL		1.000	0	0	1	6	NR	7
OR VCS		0.500	0	0	0	NR	NR	0
OR HAZMAT		TP	NR	NR	NR	NR	NR	0
HSIS	X	TP	NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
AQUIFLOW - see EDR Physical Setting Source Addendum								

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1
Target
Property

GRAPHIC ARTS CENTER
2000 NW WILSON ST
PORTLAND, OR 97209

FINDS
RCRIS-LQG
TRIS
UST
HSIS
LUST

EDR ID Number
EPA ID Number

1000347199
ORD009051665

RCRIS:

Owner: MAIL WELL CORP
(303) 790-8023

Contact: PATRICK SHEA
(503) 224-7777

Record Date: 12/31/1998

Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1997

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	35470.60	D002	3454.00
D007	3454.00	D008	1042.80
D010	3454.00	D011	3454.00
D018	2191.20	D035	972.40
D039	2191.20	D040	1042.80
F003	6712.20	F005	1122.00

Used Oil Recyc: No

Violation Status: Violation information exist

There are 15 violation record(s) reported at this site:

Evaluation

Compliance Evaluation Inspection (CEI)

Compliance Evaluation Inspection (CEI)

Compliance Evaluation Inspection (CEI)

Area of Violation

Generator-All Requirements
TSD-Other Requirements
TSD-Other Requirements
TSD-Other Requirements
TSD-Other Requirements
Generator-Land Ban Requirements
Generator-All Requirements
TSD-Other Requirements
TSD-Other Requirements
TSD-Other Requirements
Generator-Land Ban Requirements
Generator-All Requirements
TSD-Other Requirements
Generator-All Requirements
Generator-All Requirements

Date of
Compliance

09/11/1995
09/11/1995
09/11/1995
09/11/1995
09/11/1995
09/11/1995
09/11/1995
09/11/1995
09/11/1995
08/18/1989
08/18/1989

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GRAPHIC ARTS CENTER (Continued)

1000347199

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AIRS Facility System (AIRS/AFS)
Enforcement Docket System (DOCKET)
National Compliance Database (NCDB)

LUST:

Facility ID: 26-89-0091 Region: North Western Region
Clean Lead: Responsible Person Cleanup Start Date: 15MAY1989
Closed Date: 19JUN1989 Cleanup Completion: 19JUN1989

HSIS:

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: AQUEOUS COATING
Most Hazardous: STYRENE/ACRYLIC EMULSION/AMMON HYDROXIDE
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: FILM CLEANER
Most Hazardous: ISOPROPYL ALCOHOL
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: FIXER
Most Hazardous: AMMONIUM THIOSULFATE
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GRAPHIC ARTS CENTER (Continued)

1000347199

PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: ISOPROPYL ALCOHOL
Most Hazardous: ISOPROPYL ALCOHOL
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: PDI DEVELOPER
Most Hazardous: 4-BUTYROLACTONE
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: PROPANE
Most Hazardous: PROPANE
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GRAPHIC ARTS CENTER (Continued)

1000347199

PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: Q ETCH
Most Hazardous: SULFURIC ACID
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: SHEETFED BLANKET WASH
Most Hazardous: SOLVENT NAPHTHA
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: SHEETFED FOUNTAIN SOLUTION
Most Hazardous: 2-BUTOXYETHANOL
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

GRAPHIC ARTS CENTER (Continued)

1000347199

PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: SHEETFEED OFFSET PRINTING INK
Most Hazardous: PETROLEUM DISTILLATES
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: USED OIL
Most Hazardous: PETROLEUM HYDROCARBONS
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: UV CURABLE COATINGS
Most Hazardous: MONOMERIC ACRYLATES
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GRAPHIC ARTS CENTER (Continued)

1000347199

PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: VIDEO JET
Most Hazardous: METHANOL

Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: WEB BLANKET WASH
Most Hazardous: SOLVENT NAPHTHA

Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: WEB FOUNTAIN SOLUTION
Most Hazardous: BUTYL CARBITOL
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

GRAPHIC ARTS CENTER (Continued)

1000347199

PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: NIAL WEBER
Emergency Procedure: FRONT DESK FIRE MARSHALL
Chemical Trade Name: WEB OFFSET HEATSET PRINTING INK
Most Hazardous: PETROLEUM DISTILLATES
Manager Name: DAN MELLON
Mailing Address: 2000 NW WILSON ST
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: COMMERCIAL PRINTING
Sic Code 1: 2752 Sic Code 2: 2796
Sic 1 Description: COMMERCIAL PRINTING, LITHOGRAPHIC
Sic 2 Description: PLATEMAKING SERVICES
Facility Phone: 503-224-7777
Day Phone: 503-224-7777 Sprinkler System: Yes
Employee File #: 001054 Number of Employees: 45
Placard: Yes Placard Other: No

UST:
Facility ID: 7352
Facility Telephone: (503) 224-7777
Permittee Name: Graphic Arts Center
Active Tanks: 2
Decommissioned Tanks: 4

A2
North
< 1/8
34
Higher

PAUL O GIESEY ADCRAFTERS
2115 NW 20TH AVE
PORTLAND, OR 97209

RCRIS-SQG 1000274689
FINDS ORD009054032

RCRIS:
Contact: Not reported
Record Date: Not reported
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

A3
North
< 1/8
39
Higher

GRAPHIC ART CENTER
2116 NW 20TH ST
PORTLAND, OR 97209

RCRIS-SQG 1000644100
FINDS ORD987189230

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GRAPHIC ART CENTER (Continued)

EDR ID Number
EPA ID Number

1000644100

RCRIS:

Owner: MAIL WELL CORP
(303) 790-8023

Contact: PATRICK SHEA
(503) 224-7777

Record Date: Not reported

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

B4
North
< 1/8
257
Higher

ZEHRUNG CORPORATION
2201 NW 20TH
PORTLAND, OR 97209

RCRIS-SQG 1000370441
FINDS ORD010729499
TSCA
CERC-NFRAP

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Ownership Status: Other

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY

Assessment: PRELIMINARY ASSESSMENT

Federal Facility: Not a Federal Facility

NPL Status: Not on the NPL

Completed: 19800101

Completed: 19840928

CERCLIS-NFRAP Alias Name(s):

ZEHRUNG CORP

RCRIS:

Owner: ZEHRUNG CORPORATION
(503) 555-1212

Contact: HENRY TOBEY
(503) 222-9691

Record Date: Not reported

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

B5
North
< 1/8
268
Higher

ZEHRUNG CORP. (FORMER)
2205 NW 20TH AVE
PORTLAND, OR 97210

SHWS

S103841518
N/A

ECSI:

State ID Number: 187

Study Area: No

Cerclis ID: Not reported

Size: Not reported

Orphan: Not reported

Lat/Long: 45.538 / 122.692

Township Coord.: 1.00

Range Coord.: 1.00

Section Coord.: 0

Coordinator Supplier:

KPD - SRS

Tax Lots:

Not reported

NPL:

Not reported

ECFS Code:

Not reported

Tax Lots:

Not reported

Township Zone:

Not reported

Range Zone:

Not reported

Qtr Section:

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ZEHRUNG CORP. (FORMER) (Continued)

S103841518

Substance: PENTACHLOROPHENOL
Quant. Released: Not reported
Date: Not reported

Substance: TOLUENEDIAMINE;2;4-
Quant. Released: Not reported
Date: Not reported

Alias Name: Graphics Arts Center
Economic Development Commission

Text: Not reported
Release Desc.: Not reported

Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported

Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: No Further Action

Contamination:
(12/10/88 SLL/SAS) Insecticide dust was reported to be under warehouse floor (several hundred pounds). This warehouse may have been razed and another building built on top. Two railroad tank cars were buried here to store solvents. Some paints produced here contained pentachlorophenol. Paint mix tank washwater was discharged to a sump. The sump discharges to the sanitary sewer operated by the City of Portland. In the 1960s; there was a penta spill ground and actually got into the Willamette River. Bulk loading is no longer practiced".

Data Sources:
1. DEQ NWR/HW Source File.
2. CERCLIS File.
3. Inspection reports.
4. EPA CERCLA Preliminary Assessment.
5. Lab results.

General Site Description:
Former location of Zehrung Corporation. This location is the present site of the Graphic Arts Center; an 88;000 sq ft building constructed in the early 1980s. Site was excavated when new building was constructed. Present location of Zehrung Corp is 16416 SW 72nd Avenue; Portland.

Hazardous Substance/Waste Types:
2;4-D; pentachlorophenol

Manner of Release:
Spills; time of release unknown.

Remedial Action:
(12/10/88 SLL/SAS) Responsible party cleanup or removal. DEQ received manifests on cleanup of contaminated debris on 3/21/83 and wrote the company saying the Department "considers the cleanup complete". Post-cleanup sample indicated 38 ppm PCP.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ZEHRUNG CORP. (FORMER) (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841518

Party Identifier:	10501		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	10503		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	11549		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	DEQ		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent F Lag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Responsible party notified re 11/88 Inventory listing		
Admnstrty Category:	Listing Action		
Comments:	Not reported		
Start Date:	30NOV1988	Completion:	31DEC3999
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ZEHRUNG CORP. (FORMER) (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841518

Administrative Action: No Further Remedial Action Planned under Federal program
Adminstrtv Category: EPA Led Action
Comments: Not reported
Start Date: 28SEP1984
Staff Number: Not reported
Rank Value: 0
Region: Not reported
Completion: 28SEP1984
FRT Action Priority: Not reported
Agency: EPA

Administrative Action: EPA Basic Preliminary Assessment
Adminstrtv Category: EPA Led Action
Comments: State lead
Start Date: 01NOV1983
Staff Number: Not reported
Rank Value: 0
Region: Not reported
Completion: 28SEP1984
FRT Action Priority: Not reported
Agency: EPA

Administrative Action: Site added to database
Adminstrtv Category: Administrative Action
Comments: Not reported
Start Date: 05MAY1988
Staff Number: 123
Rank Value: 0
Region: Head Quarters
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to CERCLIS
Adminstrtv Category: EPA Led Action
Comments: Not reported
Start Date: 01JAN1980
Staff Number: Not reported
Rank Value: 0
Region: Not reported
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: EPA

Administrative Action: Listing Review completed
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 10DEC1988
Staff Number: 133
Rank Value: 0
Region: Head Quarters
Completion: 10DEC1988
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Excluded from confirmed release definition
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 11DEC1988
Staff Number: 133
Rank Value: 0
Region: Head Quarters
Completion: 11DEC1988
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: SITE EVALUATION
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 09DEC1988
Staff Number: 133
Rank Value: 0
Region: Head Quarters
Completion: 09DEC1988
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ZEHRUNG CORP. (FORMER) (Continued)

S103841518

Administrative Action: NO FURTHER STATE ACTION REQUIRED
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 12DEC1988 Completion: 12DEC1988
Staff Number: 133 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters
ECSF Desc.: Not reported

ESCK Number: 187
ECPE Substance Code: 95-80-7
ESCE Code: PILE
Comments: Not reported

ESCK Number: 187
ECPE Substance Code: 87-86-5
ESCE Code: UST
Comments: Not reported

C6
South
< 1/8
307
Higher

BUILDERS APPLIANCE SUPPLY
2012 NW VAUGHN ST
PORTLAND, OR 97209

UST
LUST

U000432373
N/A

LUST:
Facility ID: 26-92-0342 Region: North Western Region
Clean Lead: Responsible Person Cleanup Start Date: 22OCT1992
Closed Date: 05FEB1993 Cleanup Completion: 05FEB1993

UST:
Facility ID: 10053
Facility Telephone: (503) 226-4377
Permittee Name: Builders Appliance Supply
Active Tanks: 0
Decommissioned Tanks: 1

C7
SSW
< 1/8
312
Higher

BOISE CASCADE CORPORATION
2017 NW VAUGHN ST
PORTLAND, OR 97209

UST
HSIS
OR SPILLS
LUST

U000432371
N/A

LUST:
Facility ID: 26-89-0163 Region: North Western Region
Clean Lead: Responsible Person Cleanup Start Date: 03AUG1989
Closed Date: 17NOV1989 Cleanup Completion: 07AUG1989

OR SPILLS:
Facility ID: Not reported Spill Date: Not reported
Material: Not reported Quantity: Not reported
Release Date: 19961204 Year: 96
How Occurred: Not reported
Location: Fueling station at 20th and NW Wilson.
Description: Sheen/odor observed in ditch/problem recurring

HSIS:
Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BOISE CASCADE CORPORATION (Continued)

U000432371

Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: ACETYLENE
Most Hazardous: ACETYLENE
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: ANTIFREEZE
Most Hazardous: ETHYLENE GLYCOL
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: ARGON
Most Hazardous: ARGON
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BOISE CASCADE CORPORATION (Continued)

U000432371

Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: CHASSIS GREASE
Most Hazardous: PETROLEUM HYDROCARBON
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: DIESEL FUEL
Most Hazardous: PETROLEUM MID-DISTILLATES
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: GEAR OIL
Most Hazardous: SEVERELY REFINED PETROLEUM DISTILLATES
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BOISE CASCADE CORPORATION (Continued)

U000432371

Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: MOTOR OIL
Most Hazardous: HIGHLY REFINED BASE OILS
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: OXYGEN
Most Hazardous: OXYGEN
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: PROPANE
Most Hazardous: PROPANE
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BOISE CASCADE CORPORATION (Continued)

U000432371

Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: SOLVENT
Most Hazardous: PETROLEUM DISTILLATE HYDROCARBON SOLVENT
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: TURBINE OIL
Most Hazardous: HIGHLY REFINED BASE OIL
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: REBECCA MOORE
Emergency Procedure: ON FILE IN MANAGERS OFFICE
Chemical Trade Name: USED OIL
Most Hazardous: PETROLEUM HYDROCARBONS
Manager Name: REBECCA MOORE
Mailing Address: 2017 NW VAUGHN ST
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: TRUCKING
Sic Code 1: 4231 Sic Code 2: Not reported
Sic 1 Description: TRUCKING TERMINAL FACILITIES
Sic 2 Description: Not reported
Facility Phone: 503-223-6410
Day Phone: 503-223-6410 Sprinkler System: Yes
Employee File #: 045747 Number of Employees: 50
Placard: No Placard Other: No

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BOISE CASCADE CORPORATION (Continued)

EDR ID Number
EPA ID Number

U000432371

UST:

Facility ID: 5368
Facility Telephone: (503) 223-6410
Permittee Name: Boise Cascade Corp.
Active Tanks: 1
Decommissioned Tanks: 3

8
South
< 1/8
559
Higher

PORTLAND FROZEN FOOD HOT
1995 NW UPSHUR ST
PORTLAND, OR 97209

LUST

S100921230
N/A

LUST:

Facility ID: 26-94-0073
Clean Lead: Not reported
Closed Date: 09MAR1995
Region: North Western Region
Cleanup Start Date: 21APR1994
Cleanup Completion: 28NOV1994

D9
ESE
< 1/8
588
Higher

JASCO HOT
2001 NW 19TH AVE
PORTLAND, OR 97209

LUST

S102778357
N/A

LUST:

Facility ID: 26-97-0676
Clean Lead: Not reported
Closed Date: Not reported
Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

D10
ESE
< 1/8
588
Higher

JOHNSON ACOUSTICAL & SUPPLY CO
2001 NW 19TH AVE
PORTLAND, OR 97209

HSIS
LUST

S100500507
N/A

LUST:

Facility ID: 26-87-0012
Clean Lead: Not reported
Closed Date: 17AUG1987
Region: North Western Region
Cleanup Start Date: 20JUL1987
Cleanup Completion: 17AUG1987

HSIS:

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: NO
Emergency Contact: KARL E NULTON
Emergency Procedure: OFFICE AND WHSE
Chemical Trade Name: Not reported
Most Hazardous: Not reported
Manager Name: KARL E NULTON
Mailing Address: 2001 NW 19TH
PORTLAND, OR 97209

Mailing County: MULTNOMAH
Business Type: INTERIOR CONSTRUCTION

Sic Code 1: 1742

Sic Code 2: Not reported

Sic 1 Description: PLASTERING, DRYWALL AND INSULATION
Sic 2 Description: Not reported

Facility Phone: 503-226-2100

Day Phone: 503-226-2100

Employee File #: 023475

Sprinkler System: Yes

Number of Employees: 35

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

JOHNSON ACOUSTICAL & SUPPLY CO (Continued)

Placard: No Placard Other: No

Database(s)
EDR ID Number
EPA ID Number

S100500507

11
West
< 1/8
650
Higher

POPE RIGGING LOFT, INC.
2126 NW WILSON ST
PORTLAND, OR

LUST

S100500542
N/A

LUST:

Facility ID: 26-89-0077 Region: North Western Region
Clean Lead: Not reported Cleanup Start Date: 01JAN1974
Closed Date: 16AUG1989 Cleanup Completion: 16AUG1989

12
SE
1/8-1/4
723
Higher

A-BOY ELECTRIC
1919 NW 19TH AVE
PORTLAND, OR 97209

LUST

S102417399
N/A

LUST:

Facility ID: 26-96-0640 Region: North Western Region
Clean Lead: Not reported Cleanup Start Date: 08NOV1996
Closed Date: Not reported Cleanup Completion: Not reported

E13
NW
1/8-1/4
736
Higher

AMERICAN PACIFIC CORP.
2320 NW 21ST AVE
PORTLAND, OR 97209

LUST

S102778354
N/A

LUST:

Facility ID: 26-91-0153 Region: North Western Region
Clean Lead: Not reported Cleanup Start Date: 08APR1991
Closed Date: 31AUG1997 Cleanup Completion: 02JUL1996

E14
NW
1/8-1/4
736
Higher

AMERICAN PACIFIC CORP
2320 NW 21ST AVE
PORTLAND, OR 97209

UST

U000432368
N/A

UST:

Facility ID: 4185
Facility Telephone: (503) 224-2510
Permittee Name: American Pacific Corporation
Active Tanks: 0
Decommissioned Tanks: 1

E15
NW
1/8-1/4
747
Higher

SOUTHWEST INDUSTRIAL SUPPLY
2353 NW 21ST AVE
PORTLAND, OR 97204

UST
LUST

U000432268
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SOUTHWEST INDUSTRIAL SUPPLY (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000432268

LUST:

Facility ID: 26-90-0068
Clean Lead: Not reported
Closed Date: 25OCT1990

Region: North Western Region
Cleanup Start Date: 20FEB1990
Cleanup Completion: 25OCT1990

UST:

Facility ID: 10263
Facility Telephone: (503) 226-1151
Permittee Name: Bricker, Zakovics & Querin
Active Tanks: 0
Decommissioned Tanks: 2

F16
NW
1/8-1/4
868
Higher

MONARCH MACHINE CO
2130 NW YORK
PORTLAND, OR 97210

RCRIS-SQG 1000154683
FINDS ORD009020850

RCRIS:

Owner: RELIANCE ELECTRIC CO
(503) 555-1212

Contact: MIKE TRAIN
(503) 226-4951

Record Date: 09/02/1980

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

F17
NW
1/8-1/4
868
Higher

I.R.C. ALUMINUM AND STAINLESS
2130 NW YORK ST
PORTLAND, OR 97210

LUST S103248162
N/A

LUST:

Facility ID: 26-98-0349
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

18
SE
1/8-1/4
944
Higher

OREGON STATE HWY. PROPERTY
NW 19TH / THURMAN
PORTLAND, OR

LUST S102959716
N/A

LUST:

Facility ID: 26-88-0066
Clean Lead: Not reported
Closed Date: 12DEC1988

Region: North Western Region
Cleanup Start Date: 27SEP1988
Cleanup Completion: 12DEC1988

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G19
SE
1/8-1/4
955
Higher

C G CONSTRUCTION
1801 NW UPSHUR ST STE 490
PORTLAND, OR 97209

RCRIS-SQG
FINDS
HSIS

1000252029
ORD000711952

RCRIS:

Owner: WAYNE GLASNAPP
(503) 226-1078

Contact: AARON STULL
(415) 549-3535

Record Date: 12/31/1998

Classification: Conditionally Exempt Small Quantity Generator

Used Oil Recyc: No

Violation Status: Violation information exist

There are 2 violation record(s) reported at this site:

Evaluation
Non-Financial Record Review

Area of Violation
Generator-All Requirements
Generator-All Requirements

Date of Compliance
01/05/1986
01/05/1986

HSIS:

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: NO

Emergency Contact: WAYNE GLASNAPP

Emergency Procedure: Not reported

Chemical Trade Name: Not reported

Most Hazardous: Not reported

Manager Name: WAYNE GLASNAPP

Mailing Address: 1801 NW UPSHUR
PORTLAND, OR 97209

Mailing County: MULTNOMAH

Business Type: ACCOUNTING

Sic Code 1: 1542

Sic Code 2: Not reported

Sic 1 Description: NONRESIDENTIAL CONSTRUCTION, NEC

Sic 2 Description: Not reported

Facility Phone: 5032261078

Day Phone: 5032261078

Employee File #: 050823

Placard: Yes

Sprinkler System: Yes

Number of Employees: 7

Placard Other: No

G20
SE
1/8-1/4
955
Higher

FEDERATED-FRY METALS
1900 NW 18TH AVE
PORTLAND, OR

LUST

S100500597
N/A

LUST:

Facility ID: 26-91-0163
Clean Lead: Responsible Person
Closed Date: 22MAY1991

Region: North Western Region
Cleanup Start Date: 23APR1991
Cleanup Completion: 27APR1991

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F21
NW
1/8-1/4
971
Higher

RELIANCE ELECTRIC
2315 NW 21ST PL
PORTLAND, OR 97211

HSIS
UST

1000246028
N/A

HSIS:

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: ACETYLENE
Most Hazardous: ACETYLENE
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS
Facility Phone: 503-226-4951
Day Phone: 503-226-4951 Sprinkler System: Yes
Employee File #: 001301 Number of Employees: 32
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: ARGON
Most Hazardous: ARGON
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS
Facility Phone: 503-226-4951
Day Phone: 503-226-4951 Sprinkler System: Yes
Employee File #: 001301 Number of Employees: 32
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: CARBON DIOXIDE
Most Hazardous: CARBON DIOXIDE
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RELiance ELECTRIC (Continued)

1000246028

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: MEROPA 150
Most Hazardous: PETROLEUM DISTILLATES
Manager Name: LARRY FITE

Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH

Business Type: MACHINING & ELECTRIC MOTOR REPAIR

Sic Code 1: 3599

Sic Code 2: 7694

Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: NITROGEN CRYOGENIC LIQUID
Most Hazardous: NITROGEN
Manager Name: LARRY FITE

Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH

Business Type: MACHINING & ELECTRIC MOTOR REPAIR

Sic Code 1: 3599

Sic Code 2: 7694

Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: OXYGEN
Most Hazardous: OXYGEN
Manager Name: LARRY FITE

Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH

Business Type: MACHINING & ELECTRIC MOTOR REPAIR

Sic Code 1: 3599

Sic Code 2: 7694

Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RELiance ELECTRIC (Continued)

1000246028

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: PROPANE
Most Hazardous: PROPANE
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: SOLVENT 365
Most Hazardous: PETROLEUM NAPHTHA
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: STERLING 79WS-028
Most Hazardous: 2-BUTOXYETHANOL
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RELIANCE ELECTRIC (Continued)

1000246028

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: STERLING U-475
Most Hazardous: XYLENE
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: STERLING Y881BE
Most Hazardous: METHYL TETRAHYDROPHthalic ANHYDRIDE
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: TECTYL 400C
Most Hazardous: ALIPHATIC PETROLEUM DISTILLATE
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599 Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

RELIANCE ELECTRIC (Continued)

1000246028

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: THUNDERBOLT
Most Hazardous: SODIUM HYDROXIDE
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599
Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS
Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: WASTE OIL
Most Hazardous: PETROLEUM HYDROCARBON
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599
Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS
Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes
Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: LARRY FITE
Emergency Procedure: OFFICE
Chemical Trade Name: WAY LUBRICANT 68
Most Hazardous: MINERAL OIL
Manager Name: LARRY FITE
Mailing Address: 2315 NW 21ST PL
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: MACHINING & ELECTRIC MOTOR REPAIR
Sic Code 1: 3599
Sic Code 2: 7694
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: ARMATURE REWINDING SHOPS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RELiance ELECTRIC (Continued)

EDR ID Number
EPA ID Number

Database(s)

Facility Phone: 503-226-4951
Day Phone: 503-226-4951
Employee File #: 001301
Placard: Yes

Sprinkler System: Yes
Number of Employees: 32
Placard Other: No

UST:

Facility ID: 10114
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 0
Decommissioned Tanks: 1

1000246028

F22
NW
1/8-1/4
971
Higher

RELiance ELECTRIC
2315 NW 21ST PL
PORTLAND, OR 97210

RCRIS-SQG 1001489515
FINDS ORD096989827

RCRIS:

Owner: RELiance ELECTRIC INDUSTRIAL CO
(216) 266-5800

Contact: ROGER SHORE
(503) 226-4951

Record Date: 12/31/1998

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

H23
SW
1/8-1/4
1010
Higher

ELECTRICAL CONSTRUCTION
2121 NW THURMAN
PORTLAND, OR 97210

RCRIS-SQG 1000644588
FINDS ORD987194297

RCRIS:

Owner: E C COMPANY
(503) 224-3511

Contact: L. KENNETH AUSTIN
(503) 220-3508

Record Date: Not reported

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

H24
SW
1/8-1/4
1010
Higher

ELECTRICAL CONSTRUCTION DISTRIBUTORS
2121 NW THURMAN ST
PORTLAND, OR 97210

LUST S100497322
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ELECTRICAL CONSTRUCTION DISTRIBUTORS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100497322

LUST:

Facility ID:	26-91-0480	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	18DEC1991
Closed Date:	28FEB1997	Cleanup Completion:	25NOV1996

H25
SW
1/8-1/4
1010
Higher

E C COMPANY
2121 NW THURMAN ST
PORTLAND, OR 97210

UST

U000432439
N/A

UST:

Facility ID:	9764
Facility Telephone:	(503) 224-3511
Permittee Name:	E C Company
Active Tanks:	0
Decommissioned Tanks:	2

I26
West
1/8-1/4
1043
Higher

AMERITONE PAINTS HOT
2100 NW 22ND AVE
PORTLAND, OR 97210

LUST

S102778376
N/A

LUST:

Facility ID:	26-97-0611	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	15AUG1997
Closed Date:	31OCT1997	Cleanup Completion:	31OCT1997

I27
West
1/8-1/4
1043
Higher

AMERITONE PAINT CORP. NW DIV. GROW GROUP
PO BOX 10164
PORTLAND, OR 97210

LUST

S100497287
N/A

LUST:

Facility ID:	26-90-0027	Region:	North Western Region
Clean Lead:	Responsible Person	Cleanup Start Date:	17JAN1990
Closed Date:	29MAY1997	Cleanup Completion:	31MAR1997

I28
West
1/8-1/4
1043
Higher

AMERITONE PAINT CORP
2100 NW 22ND AVE
PORTLAND, OR 97210

RCRIS-SQG
FINDS
UST
HSIS

1000363061
ORD009025214

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERITONE PAINT CORP (Continued)

1000363061

RCRIS:

Owner: GLIDDEN COMPANY THE
(216) 344-8000

Contact: KEN BLEASDELL
(503) 226-3591

Record Date: Not reported

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

HSIS:

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES

Emergency Contact: DAVID GOLD

Emergency Procedure: Not reported

Chemical Trade Name: AKG 5181 PRINTING INK VEHICLE

Most Hazardous: HYDROTREATED PETROLEUM SOLVENT

Manager Name: RICK CUMMINGS

Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210

Mailing County: MULTNOMAH

Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES

Sic Code 1: 2893

Sic Code 2: Not reported

Sic 1 Description: PRINTING INK-MFG OF

Sic 2 Description: Not reported

Facility Phone: 503-226-3595

Day Phone: 503-226-3595

Sprinkler System: No

Employee File #: 006873

Number of Employees: 18

Placard: No

Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES

Emergency Contact: DAVID GOLD

Emergency Procedure: Not reported

Chemical Trade Name: AKQ 2659 PRINTING INK VEHICLE

Most Hazardous: HYDROTREATED PETROLEUM SOLVENT

Manager Name: RICK CUMMINGS

Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210

Mailing County: MULTNOMAH

Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES

Sic Code 1: 2893

Sic Code 2: Not reported

Sic 1 Description: PRINTING INK-MFG OF

Sic 2 Description: Not reported

Facility Phone: 503-226-3595

Day Phone: 503-226-3595

Sprinkler System: No

Employee File #: 006873

Number of Employees: 18

Placard: No

Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES

Emergency Contact: DAVID GOLD

Emergency Procedure: Not reported

Chemical Trade Name: AKX 2943 PRINTING INK VEHICLE OVERPRINT

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

AMERITONE PAINT CORP (Continued)

1000363061

Most Hazardous: SOYBEAN OIL
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: ANCHOR A-240 WASH
Most Hazardous: NAPHTHA SPIRITS
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: ANCHOR A-60 SOLVENT
Most Hazardous: AROMATIC HYDROCARBON
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210

Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO

Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: ANCHOR ARS-ML

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERITONE PAINT CORP (Continued)

1000363061

Most Hazardous: SOLVENT EB 2-BUTOXYETHANOL
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: ANCHOR EMERALD IRZ
Most Hazardous: SOLVENT EB 2-BUTOXYETHANOL
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: AQUEOUS COATING
Most Hazardous: STYRENE/ACRYLIC EMULSION/AMMON HYDROXIDE
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: BLACK BASE CONTINENTAL SP-4103

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERITONE PAINT CORP (Continued)

1000363061

Most Hazardous: CARBON BLACK
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: BLACK BASE CONTINENTAL SW-6305
Most Hazardous: CARBON BLACK
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: BLACK BASE CONTINENTAL SW-6400
Most Hazardous: CARBON BLACK
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: CHINAWOOD OIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERITONE PAINT CORP (Continued)

1000363061

Most Hazardous: CHINAWOOD OIL
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: DIARYLIDE YELLOW AAA BASE
Most Hazardous: HYDROTREATED PETROLEUM SOLVENT
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: DRIER BLEND 1120
Most Hazardous: MINERAL SPIRITS
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: EXXPRINT 588D

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERITONE PAINT CORP (Continued)

1000363061

Most Hazardous: PETROLEUM SOLVENT
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: GELLED TACK REDUCER
Most Hazardous: LINSEED OIL
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: GREEN SHADE REFLEX BASE
Most Hazardous: HYDROTREATED PETROLEUM SOLVENT
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: GWI PRIVATE BLEND WATER MISCIBLE WASH

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERITONE PAINT CORP (Continued)

1000363061

Most Hazardous: PETROLEUM NAPHTHA
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: ISOPROPANOL
Most Hazardous: ISOPROPANOL
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: DAVID GOLD
Emergency Procedure: Not reported
Chemical Trade Name: LAWTER OPTILYTH #1
Most Hazardous: HYDROTREATED PETROLEUM SOLVENT
Manager Name: RICK CUMMINGS
Mailing Address: 2100 NW 22ND AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: INK MANUFACTURING & SALE OF PRINTING SUPPLIES
Sic Code 1: 2893 Sic Code 2: Not reported
Sic 1 Description: PRINTING INK-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-226-3595
Day Phone: 503-226-3595 Sprinkler System: No
Employee File #: 006873 Number of Employees: 18
Placard: No Placard Other: No

EDR reports the first 20 ORHSIS records for this site.
The OR HSIS database contains 17 additional records for this site.
Please contact your EDR Account Executive for more information.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

AMERITONE PAINT CORP (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000363061

UST:
Facility ID: 4052
Facility Telephone: (503) 226-3591
Permittee Name: Ameritone Paint Company
Active Tanks: 0
Decommissioned Tanks: 6

J29
East
1/8-1/4
1079
Higher

RAPID TRANSFER CO. - TRUCK YARD
2030 NW 17TH AVE
PORTLAND, OR 97210

LUST

S100497319
N/A

LUST:
Facility ID: 26-91-0269
Clean Lead: Responsible Person
Closed Date: 25FEB1992
Region: North Western Region
Cleanup Start Date: 22JUL1991
Cleanup Completion: 26AUG1991

J30
East
1/8-1/4
1079
Higher

RAPID TRANSFER CO - TRUCK YARD
2030 NW 17TH AVE
PORTLAND, OR 97210

UST

U000432481
N/A

UST:
Facility ID: 8667
Facility Telephone: (503) 228-7353
Permittee Name: Rapid Transfer & Storage Co
Active Tanks: 0
Decommissioned Tanks: 2

31
East
1/8-1/4
1097
Higher

TEA, INC.
2090 NW FRONT AVE
PORTLAND, OR

LUST

S102779193
N/A

LUST:
Facility ID: 26-88-0082
Clean Lead: Not reported
Closed Date: 01NOV1990
Region: North Western Region
Cleanup Start Date: 01NOV1990
Cleanup Completion: 01NOV1990

32
SSE
1/8-1/4
1100
Higher

CONSOLIDATED FREIGHTWAYS
1947 NW SAVIER ST
PORTLAND, OR 97208

UST
LUST

U000432349
N/A

LUST:
Facility ID: 26-92-0329
Clean Lead: Not reported
Closed Date: 15MAY1997
Region: North Western Region
Cleanup Start Date: 24NOV1992
Cleanup Completion: 24JUN1996

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CONSOLIDATED FREIGHTWAYS (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000432349

UST:

Facility ID: 1997
Facility Telephone: (415) 327-9730
Permittee Name: Consolidated Freightways
Active Tanks: 0
Decommissioned Tanks: 3

K33
SSW
1/8-1/4
1116
Higher

CONSOLIDATED FREIGHTWAYS
1621 NW 21ST AVE
PORTLAND, OR 97208

UST
LUST

U000432348
N/A

LUST:

Facility ID: 26-89-0305
Clean Lead: Not reported
Closed Date: Not reported
Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

UST:

Facility ID: 1996
Facility Telephone: (415) 327-9730
Permittee Name: Consolidated Freightways
Active Tanks: 1
Decommissioned Tanks: 0

K34
SSW
1/8-1/4
1116
Higher

CONSOLIDATED FREIGHTWAYS, INC.
1621 NW 21ST AVE
PORTLAND, OR 97208

LUST

S100497209
N/A

LUST:

Facility ID: 26-87-0037
Clean Lead: Not reported
Closed Date: 27JUN1988
Region: North Western Region
Cleanup Start Date: 27JUN1988
Cleanup Completion: 27JUN1988

L35
WNW
1/8-1/4
1176
Higher

A T & T CORP
2355 NW 22ND AVE
PORTLAND, OR 97210

RCRIS-SQG
FINDS

1001233551
ORQ000010157

RCRIS:

Owner: A T & T CORP.
(201) 645-4113
Contact: ELIZABETH BOHAN-LEACH
(303) 448-9145
Record Date: 12/31/1998
Classification: Small Quantity Generator

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

A T & T CORP (Continued)

Used Oil Recyc: No

Violation Status: No violations found

EDR ID Number
EPA ID Number

Database(s)

1001233551

L36
WNW
1/8-1/4
1176
Higher

ZINDA MECHANICAL
2355 NW 22ND AVE
PORTLAND, OR 97210

UST

U000432501
N/A

UST:

Facility ID: 9631
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 0
Decommissioned Tanks: 1

M37
SW
1/8-1/4
1186
Higher

CARSON OIL CO INC
2169 NW THURMAN ST
PORTLAND, OR 97210

UST

1000643062
N/A

UST:

Facility ID: 5103
Facility Telephone: (503) 224-8500
Permittee Name: Carson Oil Co Inc
Active Tanks: 0
Decommissioned Tanks: 5

M38
SW
1/8-1/4
1186
Higher

CARSON OIL CO., INC.
2169 NW THURMAN ST
PORTLAND, OR 97210

LUST

S100497335
N/A

LUST:

Facility ID: 26-93-0048
Clean Lead: Responsible Person
Closed Date: 01SEP1993
Region: North Western Region
Cleanup Start Date: 03MAR1993
Cleanup Completion: 17AUG1993

39
SE
1/8-1/4
1319
Higher

PREMIER GEAR AND MACHINE WORKS HOT
1700 NW THURMAN ST
PORTLAND, OR 97209

LUST

S101631725
N/A

LUST:

Facility ID: 26-95-0261
Clean Lead: Not reported
Closed Date: 22AUG1996
Region: North Western Region
Cleanup Start Date: 03OCT1995
Cleanup Completion: 05JUN1996

40
North
1/4-1/2
1348
Higher

PORT OF PORTLAND - T-1, WAREHOUSE #101
2200 NW FRONT AVE
PORTLAND, OR 97209

LUST

S102959456
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PORT OF PORTLAND - T-1, WAREHOUSE #101 (Continued)

S102959456

LUST:

Facility ID: 26-97-0931
Clean Lead: Not reported
Closed Date: 19MAR1998

Region: North Western Region
Cleanup Start Date: 08DEC1997
Cleanup Completion: 19MAR1998

41
NW
1/4-1/2
1378
Higher

HELSEY MACHINE WORKS
2401 NW 22ND AVE
PORTLAND, OR 97201

LUST

S100497024
N/A

LUST:

Facility ID: 26-92-0053
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

42
ESE
1/4-1/2
1399
Higher

LUTZ TIRE COMPANY WAREHOUSE HOT
1631 NW THURMAN ST
PORTLAND, OR 97209

LUST

S101745969
N/A

LUST:

Facility ID: 26-95-0278
Clean Lead: Not reported
Closed Date: 18JAN1996

Region: North Western Region
Cleanup Start Date: 19OCT1995
Cleanup Completion: 18JAN1996

N43
SW
1/4-1/2
1455
Higher

CARSON OIL CO INC
2191 NW SAVIER ST
PORTLAND, OR 97210

UST
SHWS

U000432425
N/A

ECSI:

State ID Number: 1405
Study Area: No
Cercis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.545 / 122.717
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0

Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: OIL OR FUEL RELATED COMPOUNDS
Quant. Released: Not reported
Date: Not reported

Substance: TRICHLOROETHYLENE
Quant. Released: Not reported
Date: Not reported

Substance: TRICHLOROETHANE;1;1;-
Quant. Released: Not reported
Date: Not reported

Substance: TETRACHLOROETHYLENE
Quant. Released: Not reported
Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CARSON OIL CO INC (Continued)

U000432425

Alias Name: Not reported

Text: No hydrocarbon contamination found in any of the 4 groundwater samples. Soil

Release Desc.: Media Contamination Footnote

Text: samples were not analyzed for chlorinated hydrocarbons.

Release Desc.: Media Contamination Footnote

Text: RP presumes contamination has migrated from Columbia American Plating (CAP)

Release Desc.: Media Contamination Footnote

Sampling Start: Not reported Sampling End: Not reported

Sample Depth: Not reported

Sampling Result: Not reported

Obsrvtn Indicator: Not reported

Owner/Operator: Not reported Lab Data Indicator: Not reported

Medium Description: Not reported

Minimum Concentration Valve: Not reported

Maximum Concentration Valve: Not reported

Investigation Status: Suspect Site - Needs Investigation

Party Identifier: 10814

Description: Not reported

Effective Date: Not reported End Date: 31DEC3999

Party Comments: Not reported

Date Comments: Not reported

Operation ECK: Not reported Operation Sequence: Not reported

Party Name: Not reported

Party Addr: Not reported

Phone: Not reported Fax: Not reported

Legal Name: Not reported

Comments: Not reported

Site Status: Not reported

Assoc Date: Not reported

Permit Number: Not reported Permit Type: Not reported

Permit Agency: Not reported

Prmt Comments: Not reported

Common Name: Not reported Years/Operation: Not reported

Operation Status: Not reported Most Recent F Lag: Not reported

Oper. Comment: Not reported

Administrative Action: Site added to database

Admnstrty Category: Administrative Action

Comments: Not reported

Start Date: 16JUL1993 Completion: 31DEC3999

Staff Number: 107 FRT Action Priority: Not reported

Rank Value: 0 Agency: Dept of Env. Quality

Region: Head Quarters

Administrative Action: SITE EVALUATION

Admnstrty Category: Remedial Action

Comments: Screening put on hold during Columbia American Plating evaluation.

Start Date: 01DEC1993 Completion: 01MAR1996

Staff Number: 283 FRT Action Priority: Not reported

Rank Value: 0 Agency: Dept of Env. Quality

Region: Northwest

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CARSON OIL CO INC (Continued)

U000432425

Administrative Action: Listing Review completed
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 25OCT1994
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 01MAR1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Insufficient information to list
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 01MAR1996
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Remedial Investigation recommended (RI)
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01MAR1996
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 01MAR1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

UST:

Facility ID: 3049
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 0
Decommissioned Tanks: 3

44
NW
1/4-1/2
1469
Higher

GRIFFITH RUBBER MILLS
2249 NW 22ND
PORTLAND, OR 97210

LUST
UST

1000644241
N/A

LUST:

Facility ID: 26-89-0022
Clean Lead: Responsible Person
Closed Date: 07JUL1989
Region: North Western Region
Cleanup Start Date: 22NOV1988
Cleanup Completion: 06MAY1989

UST:

Facility ID: 2884
Facility Telephone: 503-226-6971
Permittee Name: GRIFFITH RUBBER MILLS
Active Tanks: 0
Decommissioned Tanks: 4

45
SE
1/4-1/2
1474
Higher

PAC SERVE HOT
1705 NW 17TH AVE
PORTLAND, OR 97209

LUST

S100497229
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PAC SERVE HOT (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100497229

LUST:

Facility ID: 26-90-0067
Clean Lead: Responsible Person
Closed Date: 06JUL1990

Region: North Western Region
Cleanup Start Date: 16FEB1990
Cleanup Completion: 27FEB1990

N46
SW
1/4-1/2
1499
Higher

CONSOLIDATED FREIGHTWAYS INC.
2244 NW SAVIER ST
PORTLAND, OR 97210

SHWS

S103842134
N/A

ECSI:

State ID Number: 32
Study Area: No
Cercdis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.535 / 122.695
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0

Coordinator Supplier: UPS - 3100
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: TRICHLOROETHANE;1;1;1-
Quant. Released: Not reported
Date: Not reported

Substance: FUEL OIL
Quant. Released: Not reported
Date: Not reported

Substance: XYLENES
Quant. Released: Not reported
Date: Not reported

Alias Name: Carson Oil - Savier ST

Text: NW Region files
Release Desc.: Data Sources
Text: 1;1;1-trichloroethane 20ppm; 19 Alkanc Peaks (diesel) 1700ppm;
Release Desc.: Media Contamination Footnote
Text: xylenes 39ppm
Release Desc.: Media Contamination Footnote
Text: NW Region files
Release Desc.: Data Sources
Text: 1;1;1-trichloroethane 20ppm; 19 Alkanc Peaks (diesel) 1700ppm;
Release Desc.: Media Contamination Footnote
Text: xylenes 39ppm
Release Desc.: Media Contamination Footnote

Sampling Start: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Suspect Site - Needs Investigation

Sampling End: Not reported

Lab Data Indicator: Not reported

Contamination:

Strong petroleum odor noted during geotechnical foundation study at site in 1987. Several borings indicated presence of hydrocarbon contamination

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CONSOLIDATED FREIGHTWAYS INC. (Continued)

S103842134

(possibly diesel; gasoline; and home heating fuel) and 1,1,1-trichloroethane (possibly from degreasing solvents). Test pits were dug in areas of highest contamination. High levels of hydrocarbon contamination present in near-surface soils; decreasing rapidly below a depth of about 8-10'. Test borings drilled to depths of 43.5' and 31.5' - no groundwater encountered in borings or test pits. Dry well 27.5' deep; 4' diameter; and with 6' standing water. Consultant (Geotechnical Resources Inc.) of the opinion that the on-site soil contamination is the result of surface spills of gasoline and diesel that drained across the site and into the abandoned dry well. At least 8 underground storage tanks have been removed from the site. Most contained fuel oil; although one may have contained waste oil.

Data Sources:

Source File
Program: DEQ; Region: NW
Correspondence FROM owner and/or operator
Lab results
summaries of contractor's site visits

Hazardous Substance/Waste Types:

Stove oil; waste oil; diesel; solvents (chlorinated); RCRA D001 waste solvent.

Site Location:

Area bounded by NW Savier; NW Thurman; NW 21st; and NW 22nd
Block 294 'Couch's Addition'

Manner of Release:

Line leaks or spill/overspill practices; tank leaks. Time of release unknown; leaks occurred over time.

Remedial Action:

6744 cu. yds lightly contaminated soils disposed of at St. John's Landfill; 888 cu. yds heavily contaminated soils disposed of at Reidel; vapor control venting system (passive) installed under newly constructed building foundation. (12/20/90 MJM) Medium priority; site would meet listing standards except the lab information does not indicate the EPA analytical method used. (11/3/92 MAF/LUST) Options letter sent; contamination exists at the site. The scope of investigation has grown beyond the role of the UST Program; the release of chlorinated solvents that has impacted groundwater has been referred to Site Assessment.

Party Identifier: 10221

Description: Not reported

Effective Date: Not reported

End Date: 31DEC3999

Party Comments: Not reported

Date Comments: Not reported

Operation ECKS: Not reported

Operation Sequence: Not reported

Party Name: Not reported

Party Addr: Not reported

Phone: Not reported

Fax: Not reported

Legal Name: Not reported

Comments: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CONSOLIDATED FREIGHTWAYS INC. (Continued)

S103842134

Party Identifier: 10222
Description: Not reported
Effective Date: Not reported End Date: 01JAN1901
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Party Identifier: 10223
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported Permit Type: Not reported
Permit Agency: EPA
Prmt Comments: Not reported
Common Name: Not reported Years/Operation: Not reported
Operation Status: Not reported Most Recent F Lag: Not reported
Oper. Comment: Not reported

Administrative Action: Responsible party notified re 11/88 Inventory listing
Adminstrty Category: Listing Action
Comments: Not reported
Start Date: 30NOV1988 Completion: 31DEC3999
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Administrative Action: Listing Review completed
Adminstrty Category: Listing Action
Comments: Not reported
Start Date: 20DEC1990 Completion: 20DEC1990
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CONSOLIDATED FREIGHTWAYS INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842134

Administrative Action: Insufficient information to list
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 20DEC1990
Staff Number: 177
Rank Value: 0
Region: Not reported

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: SITE EVALUATION
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 19DEC1990
Staff Number: 177
Rank Value: 0
Region: Not reported

Completion: 19DEC1990
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: State Basic Preliminary Assessment recommended (PA)
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 21DEC1990
Staff Number: 177
Rank Value: 0
Region: Not reported

Completion: 21DEC1990
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 27JUN1988
Staff Number: 124
Rank Value: 0
Region: Not reported

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: 32
ECPE Substance Code: ECD166
ESCE Code: UST
Comments: Not reported

ESCK Number: 32
ECPE Substance Code: 71-55-6
ESCE Code: UST
Comments: Not reported

ESCK Number: 32
ECPE Substance Code: 71-55-6
ESCE Code: WELL
Comments: Not reported

ESCK Number: 32
ECPE Substance Code: ECD166
ESCE Code: WELL
Comments: Not reported

47
SSE
1/4-1/2
1509
Higher

M K C ENTERPRISES INC
1828 NW RALEIGH ST
PORTLAND, OR 97209

UST
LUST

U000432394
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

M K C ENTERPRISES INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000432394

LUST:

Facility ID: 26-99-0155
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: 08FEB1999
Cleanup Completion: Not reported

UST:

Facility ID: 7398
Facility Telephone: (503) 227-5341
Permittee Name: MKC Enterprises, Inc.
Active Tanks: 0
Decommissioned Tanks: 1

48
West
1/4-1/2
1582
Higher

HAMPEL ENTERPRISES
2233 NW 23RD AVE
PORTLAND, OR 97210

UST
LUST

U000432456
N/A

LUST:

Facility ID: 26-88-0135
Clean Lead: Not reported
Closed Date: 16NOV1992

Region: North Western Region
Cleanup Start Date: 16NOV1992
Cleanup Completion: 16NOV1992

UST:

Facility ID: 6318
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 0
Decommissioned Tanks: 1

49
South
1/4-1/2
1620
Higher

CONSOLIDATED FREIGHTWAYS QUIMBY
2050 NW QUIMBY
PORTLAND, OR 97209

LUST

S101745971
N/A

LUST:

Facility ID: 26-95-0308
Clean Lead: Not reported
Closed Date: 26SEP1997

Region: North Western Region
Cleanup Start Date: 15NOV1995
Cleanup Completion: 26SEP1997

50
SSE
1/4-1/2
1624
Higher

HYDRAULIC & AIR EQUIPMENT COMPANY
1925 NW QUIMBY ST
PORTLAND, OR 97209

LUST

S100497243
N/A

LUST:

Facility ID: 26-91-0065
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: 25JAN1991
Cleanup Completion: Not reported

51
NW
1/4-1/2
1626
Higher

KEVEDY INC.
2211 NW NICOLAI ST
PORTLAND, OR 97210

LUST

S100500598
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

KEVEDY INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100500598

LUST:

Facility ID: 26-96-0515
Clean Lead: Not reported
Closed Date: 18MAY1998

Region: North Western Region
Cleanup Start Date: 04SEP1996
Cleanup Completion: 10MAR1998

Facility ID: 26-91-0190
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: 15MAY1991
Cleanup Completion: Not reported

52
NNW
1/4-1/2
1648
Higher

PGE-SUBSTATION E
2635 NW FRONT AVE
PORTLAND, OR

LUST

S100764166
N/A

LUST:

Facility ID: 26-93-0227
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

53
ESE
1/4-1/2
1680
Higher

GENERAL DISTRIBUTOR (FICK WAREHOUSE)
1509 NW SAVIER ST
PORTLAND, OR 97209

LUST

S100497221
N/A

LUST:

Facility ID: 26-89-0003
Clean Lead: Responsible Person
Closed Date: 28MAR1989

Region: North Western Region
Cleanup Start Date: 26JAN1989
Cleanup Completion: 30JAN1989

54
SW
1/4-1/2
1692
Higher

CONSOLIDATED FREIGHTWAYS
2222 NW RALEIGH ST
PORTLAND, OR 97208

UST
LUST

U000432350
N/A

LUST:

Facility ID: 26-92-0025
Clean Lead: Responsible Person
Closed Date: 15MAY1997

Region: North Western Region
Cleanup Start Date: 06FEB1992
Cleanup Completion: 03DEC1996

UST:

Facility ID: 1994
Facility Telephone: (415) 327-9730
Permittee Name: Consolidated Freightways
Active Tanks: 0
Decommissioned Tanks: 1

55
SSE
1/4-1/2
1846
Higher

PACAT PROPERTIES/HUTCHESON, DON
1732 NW QUIMBY ST
PORTLAND, OR 97209

LUST

S100497233
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PACAT PROPERTIES/HUTCHESON, DON (Continued)

S100497233

LUST:

Facility ID:	26-90-0226	Region:	North Western Region
Clean Lead:	Responsible Person	Cleanup Start Date:	20JUN1990
Closed Date:	14MAR1991	Cleanup Completion:	11OCT1990

56
NW
1/4-1/2
1917
Higher

IMPERIAL PAINT CO INC
2526 NW YEON AVE
PORTLAND, OR 97210

RCRIS-SQG 1000215300
FINDS ORD009029224
TRIS
UST
HSIS
LUST

RCRIS:

Owner: IMPERIAL PAINT CO INC
(503) 228-0208
Contact: DONALD REARDON
(503) 228-0208
Record Date: 12/31/1998
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: Violation information exist

There are 3 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	05/13/1993
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	05/01/1984
	Generator-All Requirements	05/01/1984

LUST:

Facility ID:	26-98-0561	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	18JUL1998
Closed Date:	Not reported	Cleanup Completion:	Not reported

HSIS:

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: STEVE REARDEN
Emergency Procedure: REAR OFFICE
Chemical Trade Name: NITROCELLULOSE ISOPROPANOL
Most Hazardous: ISOPROPANOL
Manager Name: Not reported
Mailing Address: 2526 NW YEON AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: COATINGS MANUFACTURING
Sic Code 1: 2851
Sic Code 2: Not reported
Sic 1 Description: PAINTS AND ALLIED PRODUCTS-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-228-0207
Day Phone: 503-228-0207
Employee File #: 005714
Placard: Yes
Sprinkler System: Yes
Number of Employees: 14
Placard Other: No

Emergency Hazardous Substance Chemical: NO

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

IMPERIAL PAINT CO INC (Continued)

1000215300

Reportable Quantity: YES
Emergency Contact: STEVE REARDEN
Emergency Procedure: REAR OFFICE
Chemical Trade Name: PAINT PRODUCTS
Most Hazardous: PETROLEUM HYDROCARBON
Manager Name: Not reported
Mailing Address: 2526 NW YEON AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: COATINGS MANUFACTURING
Sic Code 1: 2851 Sic Code 2: Not reported
Sic 1 Description: PAINTS AND ALLIED PRODUCTS-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-228-0207
Day Phone: 503-228-0207 Sprinkler System: Yes
Employee File #: 005714 Number of Employees: 14
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: STEVE REARDEN
Emergency Procedure: REAR OFFICE
Chemical Trade Name: SOLVENT
Most Hazardous: PETROLEUM DISTILLATE HYDROCARBON SOLVENT
Manager Name: Not reported
Mailing Address: 2526 NW YEON AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: COATINGS MANUFACTURING
Sic Code 1: 2851 Sic Code 2: Not reported
Sic 1 Description: PAINTS AND ALLIED PRODUCTS-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-228-0207
Day Phone: 503-228-0207 Sprinkler System: Yes
Employee File #: 005714 Number of Employees: 14
Placard: Yes Placard Other: No

Emergency Hazardous Substance Chemical: NO
Reportable Quantity: YES
Emergency Contact: STEVE REARDEN
Emergency Procedure: REAR OFFICE
Chemical Trade Name: SOLVENT/PAINT PRODUCTS
Most Hazardous: PETROLEUM DISTILLATES
Manager Name: Not reported
Mailing Address: 2526 NW YEON AVE
PORTLAND, OR 97210
Mailing County: MULTNOMAH
Business Type: COATINGS MANUFACTURING
Sic Code 1: 2851 Sic Code 2: Not reported
Sic 1 Description: PAINTS AND ALLIED PRODUCTS-MFG OF
Sic 2 Description: Not reported
Facility Phone: 503-228-0207
Day Phone: 503-228-0207 Sprinkler System: Yes
Employee File #: 005714 Number of Employees: 14
Placard: Yes Placard Other: No

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

IMPERIAL PAINT CO INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000215300

UST:

Facility ID: 6549
Facility Telephone: (503) 228-0208
Permittee Name: Imperial Paint Co., Inc.
Active Tanks: 0
Decommissioned Tanks: 25

57
ESE
1/4-1/2
1991
Higher

MILL HOT
1811 NW NAITO PKWY
PORTLAND, OR

LUST

S103840032
N/A

LUST:

Facility ID: 26-88-0099
Clean Lead: Not reported
Closed Date: 01DEC1988
Region: North Western Region
Cleanup Start Date: 28NOV1988
Cleanup Completion: 01DEC1988

58
WNW
1/4-1/2
2041
Higher

POWER SUBSTATIONS (GREEN TRANS. & STOR.)
2425 NW 23RD PL
PORTLAND, OR 97210

LUST

S100497277
N/A

LUST:

Facility ID: 26-89-0178
Clean Lead: Responsible Person
Closed Date: 25OCT1990
Region: North Western Region
Cleanup Start Date: 24AUG1989
Cleanup Completion: 07SEP1989

59
West
1/4-1/2
2089
Higher

SUPER ONE, INC.
SW CORNER OF 24TH / NW VAUGHN
PORTLAND, OR

LUST

S100500657
N/A

LUST:

Facility ID: 26-92-0225
Clean Lead: Not reported
Closed Date: Not reported
Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

60
SSW
1/4-1/2
2120
Higher

WILL VINTON STUDIOS HOT
1400 NW 22ND AVE
PORTLAND, OR 97210

LUST

S101385035
N/A

LUST:

Facility ID: 26-94-0207
Clean Lead: Not reported
Closed Date: 05MAY1995
Region: North Western Region
Cleanup Start Date: 04NOV1994
Cleanup Completion: 14FEB1995

61
South
1/4-1/2
2131
Higher

PETRSKIN, S HOT #4
2056 NW OVERTON ST
PORTLAND, OR 97209

LUST

S102959455
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PETRSKIN, S HOT #4 (Continued)

S102959455

LUST:

Facility ID: 26-97-0978
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

62
South
1/4-1/2
2131
Higher

HENDRIX MOTOR CO.
1947 NW OVERTON ST
PORTLAND, OR 97209

LUST

S100497224
N/A

LUST:

Facility ID: 26-89-0095
Clean Lead: Not reported
Closed Date: 04AUG1989

Region: North Western Region
Cleanup Start Date: 22MAY1989
Cleanup Completion: 04AUG1989

63
SSE
1/4-1/2
2142
Higher

AITCHISON, P HOT
1313 NW 19TH AVE
PORTLAND, OR

LUST

S100500604
N/A

LUST:

Facility ID: 26-91-0243
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

O64
SW
1/4-1/2
2157
Higher

CVARAK, MARIA HOT
1524 NW 23RD AVE
PORTLAND, OR 97210

LUST

S104189317
N/A

LUST:

Facility ID: 26-99-1138
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: 06OCT1999
Cleanup Completion: Not reported

O65
SW
1/4-1/2
2157
Higher

DREW PAINTS INC
1525 NW 23RD AVE
PORTLAND, OR 97210

RCRIS-SQG
FINDS
UST
LUST

1000434857
ORD039223664

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DREW PAINTS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000434857

RCRIS:

Owner: DREW PAINTS INC
(503) 227-6497
Contact: KEITH DIBRINO
(503) 227-6497
Record Date: 12/31/1997
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

LUST:

Facility ID:	26-96-0448	Region:	North Western Region
Clean Lead:	Responsible Person	Cleanup Start Date:	30JUL1996
Closed Date:	21OCT1996	Cleanup Completion:	17OCT1996
Facility ID:	26-99-0070	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	25JAN1999
Closed Date:	Not reported	Cleanup Completion:	Not reported

UST:

Facility ID:	4014	
Facility Telephone:	(503) 227-6497	
Permittee Name:	Drew Paints Inc	1
Active Tanks:	1	
Decommissioned Tanks:	2	

66
WSW
1/4-1/2
2166
Higher

FOOD FRONT
2375 NE THURMAN
PORTLAND, OR

LUST

S100500666
N/A

LUST:

Facility ID:	26-92-0289	Region:	North Western Region
Clean Lead:	Responsible Person	Cleanup Start Date:	06OCT1992
Closed Date:	06JAN1993	Cleanup Completion:	06JAN1993

67
WNW
1/4-1/2
2184
Higher

RIEMERS & JOLIVETTE
2344 NW 24TH AVE
PORTLAND, OR 97210

LUST

S100497273
N/A

LUST:

Facility ID:	26-89-0099	Region:	North Western Region
Clean Lead:	Responsible Person	Cleanup Start Date:	23MAY1989
Closed Date:	10AUG1989	Cleanup Completion:	01AUG1989

68
WSW
1/4-1/2
2314
Higher

FOREST PARK POST OFFICE HOT
1706 NW 24TH AVE
PORTLAND, OR 97210

LUST

S100497333
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FOREST PARK POST OFFICE HOT (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100497333

LUST:

Facility ID:	26-92-6020	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	Not reported
Closed Date:	Not reported	Cleanup Completion:	Not reported

69
NW
1/4-1/2
2325
Higher

JONES OREGON STEVEDORING COMPA
2323 NW SUFFOLK ST
PORTLAND, OR 97210

UST
LUST

U000432462
N/A

LUST:

Facility ID:	26-90-0005	Region:	North Western Region
Clean Lead:	Responsible Person	Cleanup Start Date:	03JAN1990
Closed Date:	25OCT1990	Cleanup Completion:	21FEB1990

Facility ID:	26-91-0070	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	13FEB1991
Closed Date:	25AUG1997	Cleanup Completion:	25AUG1997

UST:

Facility ID:	3709
Facility Telephone:	(503) 228-6601
Permittee Name:	Jones Oregon Stevedoring Co.
Active Tanks:	0
Decommissioned Tanks:	8

P70
SW
1/4-1/2
2339
Higher

LEAVENS, N HOT
2336 NW QUIMBY ST
PORTLAND, OR 97210

LUST

S101385037
N/A

LUST:

Facility ID:	26-95-5044	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	Not reported
Closed Date:	Not reported	Cleanup Completion:	Not reported

71
SSE
1/4-1/2
2342
Higher

NORTH COAST CANVAS PROD. CO.
1235 NW 19TH AVE
PORTLAND, OR 97209

LUST

S102778355
N/A

LUST:

Facility ID:	26-91-0217	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	05JUN1991
Closed Date:	Not reported	Cleanup Completion:	Not reported

72
NW
1/4-1/2
2352
Higher

STATES BATTERY CO.
2258 NW SUFFOLK ST
PORTLAND, OR 97210

SHWS

S103842050
N/A

ECSI:

State ID Number: 1007

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

STATES BATTERY CO. (Continued)

S103842050

Study Area:	No	Coordinator Supplier:	Not reported
Cerclis ID:	Not reported	Tax Lots:	Not reported
Size:	Not reported	NPL:	Not reported
Orphan:	Not reported	ECFS Code:	Not reported
Lat/Long:	45.543 / 122.698	Tax Lots:	Not reported
Township Coord.:	1.00	Township Zone:	Not reported
Range Coord.:	1.00	Range Zone:	Not reported
Section Coord.:	0	Qtr Section:	Not reported
Substance:	Not reported		
Quant. Released:	Not reported		
Date:	Not reported		
Alias Name:	General Battery Corp. - NW Suffolk ST Oregon Metal Slitters		
Text:	Not reported		
Release Desc.:	Not reported		
Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Suspect Site - Needs Investigation		
Party Identifier:	11409		
Description:	Not reported		
Effective Date:	Not reported	End Date:	01JAN1901
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	11410		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STATES BATTERY CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842050

Party Identifier: 11411
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECK: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported
End Date: 31DEC3999
Operation Sequence: Not reported
Fax: Not reported

Party Identifier: 11612
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECK: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported
End Date: 31DEC1971
Operation Sequence: Not reported
Fax: Not reported

Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported
Permit Agency: Unknown
Prmt Comments: Not reported
Permit Type: Not reported
Common Name: Not reported
Operation Status: Not reported
Oper. Comment: Not reported
Years/Operation: Not reported
Most Recent FFlag: Not reported

Administrative Action: No Further Remedial Action Planned under Federal program
Admnstrty Category: EPA Led Action
Comments: Not reported
Start Date: 12FEB1988
Staff Number: Not reported
Rank Value: 0
Region: Not reported
Completion: 12FEB1988
FRT Action Priority: Not reported
Agency: EPA

Administrative Action: EPA Basic Preliminary Assessment
Admnstrty Category: EPA Led Action
Comments: Not reported
Start Date: 30SEP1987
Staff Number: Not reported
Rank Value: 0
Region: Not reported
Completion: 30SEP1987
FRT Action Priority: Not reported
Agency: EPA

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STATES BATTERY CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842050

Administrative Action:	Site Screening recommended (EV)		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	12FEB1994	Completion:	12FEB1994
Staff Number:	107	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Not reported		
Administrative Action:	Site added to database		
Admnstrtv Category:	Administrative Action		
Comments:	Not reported		
Start Date:	15APR1988	Completion:	31DEC3999
Staff Number:	123	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Not reported		
Administrative Action:	Site added to CERCLIS		
Admnstrtv Category:	EPA Led Action		
Comments:	Not reported		
Start Date:	21FEB1986	Completion:	31DEC3999
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	EPA
Region:	Not reported		
Administrative Action:	EPA Preliminary Assessment 2		
Admnstrtv Category:	EPA Led Action		
Comments:	Not reported		
Start Date:	11FEB1988	Completion:	12FEB1988
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	EPA
Region:	Not reported		
Administrative Action:	SITE EVALUATION		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
	State screening.		
Start Date:	05MAR1997	Completion:	28AUG1997
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		
Administrative Action:	Remedial Investigation recommended (RI)		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	28AUG1997	Completion:	28AUG1997
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STATES BATTERY CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842050

Administrative Action: Insufficient information to list
Adminstrtrv Category: Listing Action
Comments: Not reported
Start Date: 28AUG1997
Staff Number: 283
Rank Value: 0
Region: Northwest
ECSF Desc.: Not reported
Completion: 28AUG1997
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

73
South
1/4-1/2
2361
Higher

BELVEDERE APARTMENTS HOT
1204 NW 20TH AVE
PORTLAND, OR

LUST

S100500643
N/A

LUST:

Facility ID: 26-92-0076
Clean Lead: Not reported
Closed Date: Not reported
Region: North Western Region
Cleanup Start Date: Not reported
Cleanup Completion: Not reported

74
SW
1/4-1/2
2369
Higher

U'REN, D HOT
2287 NW PETTYGROVE ST
PORTLAND, OR 97209

LUST

S102076076
N/A

LUST:

Facility ID: 26-91-0364
Clean Lead: Responsible Person
Closed Date: 28JAN1992
Region: North Western Region
Cleanup Start Date: 18SEP1991
Cleanup Completion: 23DEC1991

P75
SW
1/4-1/2
2405
Higher

MURPHY, H HOT (HOFFMAN PROPERTY)
2355 NW QUIMBY ST
PORTLAND, OR 97210

LUST

S102590006
N/A

LUST:

Facility ID: 26-97-0328
Clean Lead: Not reported
Closed Date: 26JUN1997
Region: North Western Region
Cleanup Start Date: 28APR1997
Cleanup Completion: 25JUN1997

76
SW
1/4-1/2
2454
Higher

USWEST - 24TH RALEIGH SOC - 010591
1600 NW 24TH AVE
PORTLAND, OR 97210

LUST

S103543123
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

USWEST - 24TH RALEIGH SOC - 010591 (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103543123

LUST:

Facility ID: 26-98-1088
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: 10DEC1998
Cleanup Completion: Not reported

Q77
NNW
1/4-1/2
2458
Higher

SULZER PUMPS INC
2800 NW FRONT AVE
PORTLAND, OR 97210

RCRIS-SQG 1000234729
FINDS ORD009024605
TRIS
UST
OR SPILLS
SHWS

RCRIS:

Owner: SULZER PUMPS INC
(503) 226-5591
Contact: THOMAS DAVIS
(503) 226-5212
Record Date: 12/31/1998
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Permit Compliance System (PCS)

ECSI:

State ID Number: 1235
Study Area: No
Cerclis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.544 / 122.694
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0

Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: TETRACHLOROETHYLENE
Quant. Released: Not reported
Date: Not reported

Substance: TRICHLOROETHYLENE
Quant. Released: Not reported
Date: Not reported

Substance: FUEL OIL
Quant. Released: Not reported
Date: Not reported

Substance: VINYL CHLORIDE
Quant. Released: Not reported
Date: Not reported

Substance: BENZENE
Quant. Released: Not reported
Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SULZER PUMPS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000234729

Substance: DICHLOROETHYLENE;1;2-CIS-
Quant. Released: Not reported
Date: Not reported

Substance: ETHYLBENZENE
Quant. Released: Not reported
Date: Not reported

Substance: TOLUENE
Quant. Released: Not reported
Date: Not reported

Substance: XYLENEs
Quant. Released: Not reported
Date: Not reported

Alias Name: Bingham International
Bingham Willamette

Text: Not reported
Release Desc.: Not reported

Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Listed on Confirmed Release List

Party Identifier: 5209
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported Permit Type: Not reported
Permit Agency: Not reported
Prmt Comments: Not reported

Common Name: Not reported Years/Operation: Not reported
Operation Status: Not reported Most Recent FLag: Not reported
Oper. Comment: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SULZER PUMPS INC (Continued)

1000234729

Administrative Action: SITE EVALUATION
Admnstrtv Category: Remedial Action
Comments: Rai Peterson/NWR
Start Date: 27AUG1992
Staff Number: Not reported
Rank Value: 0
Region: Northwest

Completion: 27AUG1992
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Listing Review completed
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 28AUG1992
Staff Number: Not reported
Rank Value: 0
Region: Northwest

Completion: 28AUG1992
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Proposal for Confirmed Release List recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 29AUG1992
Staff Number: Not reported
Rank Value: 0
Region: Northwest

Completion: 29AUG1992
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 28AUG1992
Staff Number: 202
Rank Value: 0
Region: Not reported

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 06JUN1995
Staff Number: 283
Rank Value: 0
Region: Northwest

Completion: 13JUL1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Proposal for Confirmed Release List recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 07JUN1995
Staff Number: 283
Rank Value: 0
Region: Northwest

Completion: 07JUN1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Remedial Action recommended (RA)
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 13JUL1995
Staff Number: 283
Rank Value: 0
Region: Northwest

Completion: 13JUL1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SULZER PUMPS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000234729

Administrative Action: Facility proposed for Confirmed Release List
Admnstrtrv Category: Listing Action
Comments: Not reported
Start Date: 04OCT1995
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 04OCT1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Facility placed on Confirmed Release List
Admnstrtrv Category: Listing Action
Comments: Not reported
Start Date: 10FEB1996
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 10FEB1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported
ESCK Number: 1235
ECPE Substance Code: 71-43-2
ESCE Code: UST
Comments: Not reported

OR SPILLS:
Facility ID: 0-1683
Material: MERCURY
Release Date: Not reported
How Occurred: PUMP BLOWBY
Location: Not reported
Description: Not reported
Spill Date: 12-04-1990
Quantity: 2 LBS
Year: Not reported

UST:
Facility ID: 6835
Facility Telephone: (503) 226-5531
Permittee Name: Sulzer Bingham Pumps Inc
Active Tanks: 4
Decommissioned Tanks: 11

Q78
NNW
1/4-1/2
2458
Higher

SULZER BINGHAM PUMPS
2800 NW FRONT AVE
PORTLAND, OR 97210

OR CRL

1001370853
N/A

OR CRL:
Facility ID: 1235
Current Program: Site Response Section
Contaminant: Groundwater
Soil
Substance: benzene
dichloroethylene, 1,2-cis-
ethylbenzene
fuel oil
tetrachloroethylene
toluene
trichloroethylene
vinyl chloride
xylenes

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

Q79
NNW
1/4-1/2
2458
Higher

SULZER - BINGHAM
2800 NW FRONT AVE
PORTLAND, OR 97210

LUST

S100497301
N/A

LUST:

Facility ID: 26-90-0334
Clean Lead: Not reported
Closed Date: 25AUG1997

Region: North Western Region
Cleanup Start Date: 31AUG1990
Cleanup Completion: 10FEB1997

80
WSW
1/4-1/2
2522
Higher

SELINGER, P HOT
2466 NW THURMAN ST
PORTLAND, OR 97210

LUST

S102417408
N/A

LUST:

Facility ID: 26-96-0417
Clean Lead: Not reported
Closed Date: 13JAN1997

Region: North Western Region
Cleanup Start Date: 17JUL1996
Cleanup Completion: 19AUG1996

81
SW
1/4-1/2
2546
Higher

ELSASSER & CASADDEN
1533 NW 24TH AVE
PORTLAND, OR 97210

LUST

S102417405
N/A

LUST:

Facility ID: 26-96-0164
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: 15MAR1996
Cleanup Completion: Not reported

R82
SE
1/4-1/2
2548
Higher

ROSENFELD COMMERCIAL PROPERTY
1428 NW 14TH AVE
PORTLAND, OR

LUST

S100500562
N/A

LUST:

Facility ID: 26-90-0213
Clean Lead: Responsible Person
Closed Date: 23OCT1990

Region: North Western Region
Cleanup Start Date: 12JUN1990
Cleanup Completion: 23OCT1990

R83
SE
1/4-1/2
2563
Higher

DIRECT MAIL/MAIL MARK
1421 NW 14TH AVE
PORTLAND, OR 97209

UST
LUST

U000432379
N/A

LUST:

Facility ID: 26-90-0407
Clean Lead: Not reported
Closed Date: Not reported

Region: North Western Region
Cleanup Start Date: 22DEC1988
Cleanup Completion: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DIRECT MAIL/MAIL MARK (Continued)

Database(s)

EDR ID Number
EPA ID Number

U000432379

UST:
Facility ID: 5581
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 0
Decommissioned Tanks: 3

S84
SSE
1/4-1/2
2569
Higher

PRO TRUCK LINES
1721 NW NORTHRUP ST
PORTLAND, OR 97209

UST
LUST

U000432406
N/A

LUST:
Facility ID: 26-93-0140
Clean Lead: Not reported
Closed Date: Not reported
Region: North Western Region
Cleanup Start Date: 20AUG1993
Cleanup Completion: Not reported

UST:
Facility ID: 5191
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 0
Decommissioned Tanks: 2

T85
West
1/4-1/2
2571
Higher

ESCO PLANT #3
2141 NW 25TH AVE
PORTLAND, OR 97210

SHWS

S103841458
N/A

ECSI:
State ID Number: 112
Study Area: No
Cercis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.538 / 122.702
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: UPS - 3010
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported
Substance: PHENOLS
Quant. Released: Not reported
Date: Not reported
Alias Name: Not reported
Text: NWR SW file
Release Desc.: Data Sources

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ESCO PLANT #3 (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841458

Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Suspect Site - Needs Investigation

Contamination:

On June 26; 1980; Pete Ressler (DEQ-NWR) observed a runoff from Esco property near the railroad tracks.

Data Sources:

Complaint file; DEQ NW Region; source file; SW; DEQ NW Region; inspection reports; correspondence from owner and/or operator; monitoring data; Hazardous Waste Manifests; lab results.

Hazardous Substance/Waste Types:
phenols

Site Location:

NW 25th and Vaughn

Manner of Release:

Time of release unknown

Pathways & Other Hazards:

Soil contamination possible.

Remedial Action:

Discharge problem corrected - no apparent removal or remedial action noted - possible de minimis screening.

Party Identifier: 10429

Description: Not reported

Effective Date: Not reported

End Date: 31DEC3999

Party Comments: Not reported

Date Comments: Not reported

Operation ECKS: Not reported

Operation Sequence: Not reported

Party Name: Not reported

Party Addr: Not reported

Phone: Not reported

Fax: Not reported

Legal Name: Not reported

Comments: Not reported

Site Status: Not reported

Assoc Date: Not reported

Permit Number: Not reported

Permit Type: Not reported

Permit Agency: Not reported

Prmt Comments: Not reported

Common Name: Not reported

Years/Operation: Not reported

Operation Status: Not reported

Most Recent FFlag: Not reported

Oper. Comment: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ESCO PLANT #3 (Continued)

S103841458

Administrative Action: Site Screening recommended (EV)
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 12FEB1994
Staff Number: 107
Rank Value: 0
Region: Not reported
Completion: 12FEB1994
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
Administrative Action: Site added to database
Adminstrtrv Category: Administrative Action
Comments: Not reported
Start Date: 29JUL1988
Staff Number: 123
Rank Value: 0
Region: Not reported
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
ECSF Desc.: Not reported
ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

T86
West
1/4-1/2
2571
Higher

ESCO CORPORATION
2141 NW 25TH AVE
PORTLAND, OR 97210

RCRIS-SQG 1000324911
FINDS ORD009028259
TRIS
UST
LUST

RCRIS:
Owner: ESCO CORPORATION
(503) 228-2141
Contact: JOE SMITH
(503) 228-2141
Record Date: 12/31/1998
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: Violation information exist

There are 1 violation record(s) reported at this site:

Evaluation
Compliance Evaluation Inspection (CEI)

Area of Violation
Generator-All Requirements

Date of Compliance
11/16/1994

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
National Compliance Database (NCDB)
Permit Compliance System (PCS)

LUST:
Facility ID: 26-90-0054
Clean Lead: Responsible Person
Closed Date: 23NOV1990
Region: North Western Region
Cleanup Start Date: 24FEB1990
Cleanup Completion: 24FEB1990

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

ESCO CORPORATION (Continued)

EDR ID Number
EPA ID Number

1000324911

Facility ID: 26-93-0026 Region: North Western Region
Clean Lead: Not reported Cleanup Start Date: 26JAN1996
Closed Date: 21OCT1996 Cleanup Completion: 15MAY1996

Facility ID: 26-97-0487 Region: North Western Region
Clean Lead: Not reported Cleanup Start Date: 26JUN1997
Closed Date: Not reported Cleanup Completion: Not reported

UST:
Facility ID: 6665
Facility Telephone: (503) 778-6670
Permittee Name: ESCO Corporation
Active Tanks: 0
Decommissioned Tanks: 3

S87
SSE
1/4-1/2
2575
Higher

H HIRSCHBERGER CO. INC.
1714 NW NORTHRUP ST
PORTLAND, OR 97209

LUST

S102959452
N/A

LUST:
Facility ID: 26-97-0888 Region: North Western Region
Clean Lead: Not reported Cleanup Start Date: Not reported
Closed Date: Not reported Cleanup Completion: Not reported

88
WSW
1/4-1/2
2603
Higher

BURKE, C HOT
2434 NW RALEIGH ST
PORTLAND, OR 97210

LUST

S102959461
N/A

LUST:
Facility ID: 26-97-0948 Region: North Western Region
Clean Lead: Not reported Cleanup Start Date: 06JAN1998
Closed Date: 16JAN1998 Cleanup Completion: 16JAN1998

89
SW
1/4-1/2
2609
Higher

METROPOLITAN HOMES - OVERTON LOT
NW OVERTON, BETWEEN NW 23RD / 24TH
PORTLAND, OR 97209

LUST

S100497228
N/A

LUST:
Facility ID: 26-90-0037 Region: North Western Region
Clean Lead: Responsible Person Cleanup Start Date: 17JAN1990
Closed Date: 18APR1990 Cleanup Completion: 25JAN1990

90
South
1/4-1/2
2627
Higher

CARMEN APTS, HOT
2030 NW MARSHALL ST
PORTLAND, OR 97210

LUST

S103422265
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CARMEN APTS, HOT (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103422265

LUST:

Facility ID:	26-98-0709	Region:	North Western Region
Clean Lead:	Not reported	Cleanup Start Date:	28AUG1998
Closed Date:	Not reported	Cleanup Completion:	Not reported

91
SE
1/2-1
3106
Higher

GENDER MACHINE WORKS INC
1335 NW NORTHRUP ST
PORTLAND, OR 97209

RCRIS-SQG 1001485758
FINDS ORQ000002923
HSIS
SHWS

RCRIS:

Owner: GENDER MACHINE WORKS INC
(503) 224-5050

Contact: A F LAURIE
(503) 224-5050

Record Date: Not reported

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

ECSI:

State ID Number:	2313	Coordinator Supplier:	Not reported
Study Area:	No	Tax Lots:	Not reported
Cerclis ID:	Not reported	NPL:	Not reported
Size:	Not reported	ECFS Code:	Not reported
Orphan:	Not reported	Tax Lots:	Not reported
Lat/Long:	45.531 / 122.684	Township Zone:	Not reported
Township Coord.:	1.00	Range Zone:	Not reported
Range Coord.:	1.00	Qtr Section:	Not reported
Section Coord.:	0		
Substance:	BARIUM		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	TOTAL PETROLEUM HYDROCARBONS (TPH)		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	LEAD		
Quant. Released:	Not reported		
Date:	Not reported		
Alias Name:	Not reported		
Text:	Not reported		
Release Desc.:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GENDER MACHINE WORKS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1001485758

Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Suspect Site - Needs Investigation		
Party Identifier:	24717		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECSK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	38093		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECSK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	DEQ/HW		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Site added to database		
Admnstrtv Category:	Administrative Action		
Comments:	Not reported		
Start Date:	16MAR1999		
Staff Number:	297		
Rank Value:	0		
Region:	Northwest		
	Completion:	16MAR1999	
	FRT Action Priority:	Not reported	
	Agency:	Dept of Env. Quality	

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

GENDER MACHINE WORKS INC (Continued)

1001485758

Administrative Action: Site Screening recommended (EV)
Admnstrtv Category: Remedial Action
Comments: Report submitted by AE Associates, Inc., March 12, 1999.
Start Date: 16MAR1999 Completion: 31DEC3999
Staff Number: 297 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest
ECSF Desc.: Not reported
ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported
HSIS:
Emergency Hazardous Substance Chemical: NO
Reportable Quantity: NO
Emergency Contact: A F LAURIE
Emergency Procedure: Not reported
Chemical Trade Name: Not reported
Most Hazardous: Not reported
Manager Name: A F LAURIE
Mailing Address: 1335 N W NORTHRUP
PORTLAND, OR 97209
Mailing County: MULTNOMAH
Business Type: MACHINE SHOP AND METAL FABRICATION
Sic Code 1: 3599 Sic Code 2: Not reported
Sic 1 Description: INDUSTRIAL MACHINERY, NEC-MFG
Sic 2 Description: Not reported
Facility Phone: 503-225-5050
Day Phone: 503-224-5050 Sprinkler System: Yes
Employee File #: 004122 Number of Employees: 33
Placard: No Placard Other: No

92
SSE
1/2-1
3175
Higher

UNOCAL SERVICE STATION #0738
930 NW 18TH AVE
PORTLAND, OR 97209

SHWS

S103842330
N/A

ECSI:
State ID Number: 1396
Study Area: No Coordinator Supplier: Not reported
Cercis ID: Not reported Tax Lots: Not reported
Size: Not reported NPL: Not reported
Orphan: Not reported ECFS Code: Not reported
Lat/Long: 45.530 / 122.688 Tax Lots: Not reported
Township Coord.: 1.00 Township Zone: Not reported
Range Coord.: 1.00 Range Zone: Not reported
Section Coord.: 0 Qtr Section: Not reported
Substance: TOTAL PETROLEUM HYDROCARBONS (TPH)
Quant. Released: Not reported
Date: Not reported
Alias Name: Not reported
Text: Not reported
Release Desc.: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

UNOCAL SERVICE STATION #0738 (Continued)

S103842330

Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Suspect Site - Needs Investigation		
Party Identifier:	11743		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECSK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	SITE EVALUATION		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	29JUN1993	Completion:	01JUL1993
Staff Number:	229	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Insufficient information to list		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	01JUL1993	Completion:	31DEC3999
Staff Number:	229	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Listing Review completed		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	30JUN1993	Completion:	30JUN1993
Staff Number:	229	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

UNOCAL SERVICE STATION #0738 (Continued)

S103842330

Administrative Action: Site Confirmatory Sampling recommended
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 02JUL1993 Completion: 02JUL1993
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Site added to database
Adminstrtrv Category: Administrative Action
Comments: Not reported
Start Date: 29JUN1993 Completion: 31DEC3999
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

93
WNW
1/2-1
3486
Higher

MERCER INDUSTRIES - PORTLAND
2636 NW 26TH AVE
PORTLAND, OR 97210

SHWS

S103841483
N/A

ECSI:
State ID Number: 144
Study Area: No Coordinator Supplier: UPS - 1001
Cercis ID: Not reported Tax Lots: Not reported
Size: Not reported NPL: Not reported
Orphan: Not reported ECFS Code: Not reported
Lat/Long: 45.537 / 122.653 Tax Lots: Not reported
Township Coord.: 1.00 Township Zone: Not reported
Range Coord.: 1.00 Range Zone: Not reported
Section Coord.: 0 Qtr Section: Not reported

Substance: CHROMIUM
Quant. Released: Not reported
Date: Not reported

Alias Name: Mercer Steel Co. Inc.
Mercer Industries Oakite Facility

Text: Letter from source and lab results
Release Desc.: Data Sources
Text: other = concrete
Release Desc.: Media Contamination Footnote

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MERCER INDUSTRIES - PORTLAND (Continued)

S103841483

Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: No Further Action

Contamination:
Trench through which wastewater from the pretreatment tanks exited to the city sewer is contaminated with chromium. Site was formerly occupied by Oakite etch facility.

Data Sources:
Other File
Program: ; Region: NW
referral
Correspondence FROM owner and/or operator
Lab results

Hazardous Substance/Waste Types:
chromium

Manner of Release:
Wastewater was released into a concrete trench from wastewater pretreatment tanks when the site was occupied by the Oakite etch facility.
Time of release: Prior to 1974.

Media Contamination:
Contaminated wastewater discharged to concrete trench; concrete analyzed and found to be contaminated as listed above.

Remedial Action:
(GMW 3/2/95) A May 1988 wipe sample from the concrete within the former Oakite treatment pit contained elevated levels of total chromium; which were reduced significantly by steam-cleaning of the concrete. October 1988 samples of the concrete and underlying soils (obtained by boring through the concrete) showed that the cleanup was adequate and that chromium had not leached into the environment. As a result; DEQ sent two letters to Mercer between December 1988 and February 1989; indicating that no further investigation was needed and the site would not be proposed for listing. Based on these sample results and the administrative record in the file; Site Assessment recommends no further action.

Containment Units:
concrete wastewater trench

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MERCER INDUSTRIES - PORTLAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841483

Party Identifier: 11521
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECSK: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported
Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported
Permit Agency: Not reported
Prmt Comments: Not reported
Common Name: Not reported
Operation Status: Not reported
Oper. Comment: Not reported
End Date: 31DEC3999
Operation Sequence: Not reported
Fax: Not reported
Permit Type: Not reported
Years/Operation: Not reported
Most Recent FFlag: Not reported
Administrative Action: Responsible party notified re 11/88 Inventory listing
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 30NOV1988
Staff Number: Not reported
Rank Value: 0
Region: Not reported
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
Administrative Action: Site Screening recommended (EV)
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 12FEB1994
Staff Number: 107
Rank Value: 0
Region: Not reported
Completion: 12FEB1994
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 25JUL1988
Staff Number: 112
Rank Value: 0
Region: Not reported
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
Administrative Action: NO FURTHER STATE ACTION REQUIRED
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 02MAR1995
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 02MAR1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

MERCER INDUSTRIES - PORTLAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841483

Administrative Action: SITE EVALUATION
Admnstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 02MAR1995
Staff Number: 283
Rank Value: 0
Region: Northwest
ECSF Desc.: Not reported
Completion: 02MAR1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
ESCK Number: 144
ECPE Substance Code: 7440-47-3
ESCE Code: OTHR
Comments: Not reported

94
SE
1/2-1
3488
Higher

WILBUR-ELLIS CO. - PORTLAND
1220 NW MARSHALL ST
PORTLAND, OR 97209

SHWS

S103842283
N/A

ECSI:
State ID Number: 1331
Study Area: No
Cercis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.531 / 122.683
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported
Substance: Not reported
Quant. Released: Not reported
Date: Not reported
Alias Name: Not reported
Text: Not reported
Release Desc.: Not reported
Sampling Start: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: No Further Action
Sampling End: Not reported
Lab Data Indicator: Not reported
Party Affiliation: None Reported
Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported
Permit Agency: Not reported
Prmt Comments: Not reported
Permit Type: Not reported
Common Name: Not reported
Operation Status: Not reported
Oper. Comment: Not reported
Years/Operation: Not reported
Most Recent FLag: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WILBUR-ELLIS CO. - PORTLAND (Continued)

S103842283

Administrative Action: EPA Basic Preliminary Assessment
Admnstrtv Category: EPA Led Action
Comments: Not reported
Start Date: 01NOV1983 Completion: 28SEP1984
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: EPA
Region: Not reported

Administrative Action: SITE EVALUATION
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 03DEC1993 Completion: 03DEC1993
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: NO FURTHER STATE ACTION REQUIRED
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 06DEC1993 Completion: 06DEC1993
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: No Further Remedial Action Planned under Federal program
Admnstrtv Category: EPA Led Action
Comments: Not reported
Start Date: 28SEP1984 Completion: 28SEP1984
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: EPA
Region: Not reported

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 24JAN1993 Completion: 31DEC3999
Staff Number: 107 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Site added to CERCLIS
Admnstrtv Category: EPA Led Action
Comments: Not reported
Start Date: 24MAR1980 Completion: 31DEC3999
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: EPA
Region: Not reported

Administrative Action: Listing Review completed
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 04DEC1993 Completion: 04DEC1993
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

WILBUR-ELLIS CO. - PORTLAND (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842283

Administrative Action: Excluded from confirmed release definition
Admnstrtv Category: Listing Action
Comments: No hazardous substances released or disposed of at site
Start Date: 05DEC1993 Completion: 31DEC3999
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters
ECSF Desc.: Not reported
ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

95
NW
1/2-1
3594
Higher

DASIC INTERNATIONAL CORP.
3125 NW FRONT AVE
PORTLAND, OR 97210

LUST
SHWS

S100497297
N/A

ECSI:

State ID Number: 110
Study Area: No
Cercdis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.552 / 122.712
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: UPS - 3100
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported
Substance: TRIETHANOLAMINE
Quant. Released: Not reported
Date: Not reported
Substance: KEROSENE
Quant. Released: Not reported
Date: Not reported
Substance: SOLVENTS
Quant. Released: Not reported
Date: Not reported
Alias Name: Not reported
Text: DEQ Brown file
Release Desc.: Data Sources
Text: DEQ Brown file
Release Desc.: Data Sources
Text: DEQ Brown file
Release Desc.: Data Sources

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

EDR ID Number
EPA ID Number

S100497297

Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Suspect Site - Needs Investigation		
Contamination:	DEQ responded to a spill complaint at this site.		
Data Sources:	DEQ Brown file Inspection reports Correspondence FROM owner and/or operator Complaint form		
Hazardous Substance/Waste Types:	solvent; kerosene; triethanolamine		
Manner of Release:	Unknown.		
	Time of release: about 6:00PM 1-20-82		
Pathways & Other Hazards:	Spill may have entered into storm sewer that empties into the Willamette River		
Remedial Action:	Emergency cleanup		
Containment Units:	spills		
Party Identifier:	10366		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECSK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FLAG:	Not reported
Oper. Comment:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DASIC INTERNATIONAL CORP. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100497297

Administrative Action: Site Screening recommended (EV)
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 12FEB1994
Staff Number: 107
Rank Value: 0
Region: Not reported
Completion: 12FEB1994
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to database
Adminstrtrv Category: Administrative Action
Comments: Not reported
Start Date: 09MAY1988
Staff Number: 123
Rank Value: 0
Region: Not reported
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

LUST:

Facility ID: 26-90-0220
Clean Lead: Responsible Person
Closed Date: 22MAY1991
Region: North Western Region
Cleanup Start Date: 19JUN1990
Cleanup Completion: 11FEB1991

U96
WNW
1/2-1
3659
Higher

GUILDS LAKE
2615-2619 NW INDUSTRIAL ST
PORTLAND, OR 97210

SHWS

S103841677
N/A

ECSI:

State ID Number: 404
Study Area: No
Cerculis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.540 / 122.704
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: UPS - 3001
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: LEAD
Quant. Released: Not reported
Date: Not reported

Substance: CHROMIUM
Quant. Released: Not reported
Date: Not reported

Alias Name: Marathon - NW Industrial St. Properties

Text: PA prepared for Marathon U.S. Realities; Inc. (10/25/88); Focused RI
Release Desc.: Data Sources
Text: prepared for Marathon U.S. Realities; Inc. (1/17/90)
Release Desc.: Data Sources
Text: Preliminary Assessment prepared for Marathon U.S. Realities; Inc.
Release Desc.: Data Sources

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

GUILDS LAKE (Continued)

S103841677

Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Listed on Confirmed Release List

Contamination:

(2/4/98 DAB/SRS) The site is an 11-acre portion of the 22-acre former Guilds Lake incinerator and landfill site; currently owned by the City of Portland. Incineration and landfilling of municipal garbage occurred at the site from 1909 to the late 1940s. The site is now covered by warehouses and parking lots. A focused Remedial Investigation at the site identified four distinct fill units: dredge fill; landfill debris; incinerator ash; and mixed ash and landfill debris. The total volume was estimated at 3.8 million cubic yards. Contamination from petroleum hydrocarbons and heavy metals was identified. (The incinerator ash was identified as the primary potential source of the metals). Following completion of the Remedial Investigation and Feasibility Study (RI/FS); a Record of Decision (ROD) was signed; requiring capping of the entire site; decommissioning of infiltration basins; regrading of the site; and the installation of a passive gas venting system. Long-term monitoring of the groundwater and methane gas was also required.

Data Sources:

PA submitted to DEQ-ECD by PRP; 2 reports from owner - Preliminary Assessment of Potential Contamination & Focused Remedial Investigation.
EPA CERCLA Preliminary Assessment.
Remedial Investigation.
NWR SRP files.

Hazardous Substance/Waste Types:

petroleum; chromium; lead; arsenic; cadmium

Manner of Release:

Ash disposal and municipal waste landfill. Possible underground storage tanks.
Time of release: 1909 to late 1940s

Site Ownership:

Prior owner information: West Coast Fast Freight Terminal and others.
Current operators: Consolidated Cargo; United Beer Distributors; G&G Paper Co.; Cost Distributing Co.; Professional Records.

Remedial Action:

(2/4/98 DAB/SRS) Removal of the petroleum contamination was completed by October 1989. Design of the final remedy began in 1991 and was finally approved in 1995. Construction of the cap and venting system; and regrading of the site; was initiated in December 1994 and completed in June 1995. Following construction of the engineering controls; a long-term Inspection; Monitoring and Maintenance Plan (IMMP) was written. DEQ approved the plan; and in December 1997; DEQ issued for public comment a proposed Certification of Completion; stating that no further remedial action is necessary at the site. The Certification was approved in January 1998. (4/28/99 DAB/SRP) An investigation of the extent of the 22-acre landfill and the presence of methane has been completed. Long-term methane and groundwater monitoring is on-going.

Health Threats:

Human health threat from exposure to surface soil contaminated with lead addressed through placement of asphalt-concrete cap.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GUILDS LAKE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841677

Party Identifier:	12090		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	12090		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	11502		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Responsible party notified re 11/88 Inventory listing		
Admnstrty Category:	Listing Action		
Comments:	Not reported		
Start Date:	30NOV1988	Completion:	31DEC3999
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GUILDS LAKE (Continued)

S103841677

Administrative Action: Proposal for Inventory recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 30JUL1990 Completion: 30JUL1990
Staff Number: 103 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Facility proposed for Confirmed Release List
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 10SEP1990 Completion: 10SEP1990
Staff Number: 103 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Owner/operator comments received on listing notification
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 18OCT1990 Completion: 18OCT1990
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Owner/operator comments received on listing notification
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 19OCT1990 Completion: 19OCT1990
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Facility placed on Confirmed Release List
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 21JUN1991 Completion: 21JUN1991
Staff Number: 116 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Facility placed on Inventory
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 21JUN1991 Completion: 21JUN1991
Staff Number: 116 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Proposal for Confirmed Release List recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 30JUL1990 Completion: 30JUL1990
Staff Number: 103 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GUILDS LAKE (Continued)

S103841677

Administrative Action: Listing on Confirmed Release List recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 25FEB1991 Completion: 25FEB1991
Staff Number: 103 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Listing on Inventory recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 25FEB1991 Completion: 25FEB1991
Staff Number: 103 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: BASIC PRELIMINARY ASSESSEMENT
Admnstrtv Category: Remedial Action
Comments: Federal
Start Date: 25JUL1991 Completion: 10SEP1991
Staff Number: 119 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: No Further Remedial Action Planned under Federal program
Admnstrtv Category: EPA Led Action
Comments: Not reported
Start Date: 30SEP1991 Completion: 30SEP1991
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: EPA
Region: Not reported

Administrative Action: FEASIBILITY STUDY
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 17MAY1990 Completion: 30APR1991
Staff Number: 141 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Facility proposed for Inventory
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 10SEP1990 Completion: 10SEP1990
Staff Number: 103 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: RECORD OF DECISION
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01APR1991 Completion: 01AUG1991
Staff Number: 141 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GUILDS LAKE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841677

Administrative Action: REMEDIAL DESIGN
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01AUG1991
Staff Number: 141
Rank Value: 0
Region: Head Quarters

Completion: 01MAR1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to database
Adminstrtv Category: Administrative Action
Comments: Not reported
Start Date: 02NOV1988
Staff Number: 123
Rank Value: 0
Region: Head Quarters

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to CERCLIS
Adminstrtv Category: EPA Led Action
Comments: Not reported
Start Date: 19JUN1989
Staff Number: Not reported
Rank Value: 0
Region: Not reported

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: EPA

Administrative Action: Listing Review completed
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 29JUL1990
Staff Number: 103
Rank Value: 0
Region: Head Quarters

Completion: 30JUL1990
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Review for final listing
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 24FEB1991
Staff Number: 103
Rank Value: 0
Region: Head Quarters

Completion: 25FEB1991
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: REMEDIAL ACTION
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 04DEC1994
Staff Number: 104
Rank Value: 0
Region: Northwest

Completion: 05JUN1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Engineering Control
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 17DEC1991
Staff Number: 104
Rank Value: 0
Region: Northwest

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GUILDS LAKE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841677

Administrative Action: NEGOTIATIONS
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01AUG1991
Staff Number: 141
Rank Value: 0
Region: Head Quarters

Completion: 09DEC1991
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Institutional Control
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 17DEC1991
Staff Number: 104
Rank Value: 0
Region: Northwest

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Consent Order
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 08FEB1989
Staff Number: 103
Rank Value: 0
Region: Head Quarters

Completion: 08FEB1989
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: NEGOTIATIONS
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 03FEB1989
Staff Number: 103
Rank Value: 0
Region: Head Quarters

Completion: 08FEB1989
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: SITE EVALUATION
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01FEB1989
Staff Number: 103
Rank Value: 0
Region: Head Quarters

Completion: 02FEB1989
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Remedial Investigation/Feasibility Study recommended
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 02FEB1989
Staff Number: 103
Rank Value: 0
Region: Head Quarters

Completion: 02FEB1989
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Consent Order
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 09DEC1991
Staff Number: 141
Rank Value: 0
Region: Head Quarters

Completion: 09DEC1991
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GUILDS LAKE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841677

Administrative Action: REMEDIAL INVESTIGATION
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 09FEB1989
Staff Number: 103
Rank Value: 0
Region: Head Quarters
Completion: 29MAY1990
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
ECSF Desc.: Not reported
ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

U97
WNW
1/2-1
3659
Higher

GUILDS LAKE
2615 NW INDUSTRIAL ST # 2619
PORTLAND, OR 97210

OR CRL

S103303245
N/A

OR CRL:
Facility ID: 404
Current Program: Emergency Response

Contaminant: GROUNDWATER
Groundwater
Other
Substance: chromium
lead

V98
SSE
1/2-1
3866
Higher

PACIFIC STATES GALVANIZING
805 NW 14TH AVE
PORTLAND, OR 97209

SHWS

S103842062
N/A

ECSI:
State ID Number: 1024
Study Area: No
Cercis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.529 / 122.684
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported
Substance: ZINC
Quant. Released: Not reported
Date: Not reported
Substance: CHROMIUM
Quant. Released: Not reported
Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC STATES GALVANIZING (Continued)

S103842062

Substance: LEAD
Quant. Released: Not reported
Date: Not reported
Substance: CADMIUM
Quant. Released: Not reported
Date: Not reported
Alias Name: ACE Galvanizing
Ace/Pacific
Text: Release area for listed substances: Process Area.
Release Desc.: General Comments
Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Listed on Confirmed Release List
Party Identifier: 35484
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported
Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported Permit Type: Not reported
Permit Agency: DEQ
Prmt Comments: Not reported
Permit Number: Not reported Permit Type: Not reported
Permit Agency: City of Portland
Prmt Comments: Not reported
Common Name: Not reported Years/Operation: Not reported
Operation Status: Not reported Most Recent FFlag: Not reported
Oper. Comment: Not reported
Administrative Action: BASIC PRELIMINARY ASSESSEMENT
Admnstrty Category: Remedial Action
Comments: Basic PA performed by Parametrix.
Start Date: 25JAN1991 Completion: 28JUN1991
Staff Number: 123 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PACIFIC STATES GALVANIZING (Continued)

S103842062

Administrative Action: NEGOTIATIONS

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 11APR1991

Staff Number: 187

Rank Value: 0

Region: Head Quarters

Completion: 09DEC1991

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Listing Review completed

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 16JUN1992

Staff Number: 187

Rank Value: 0

Region: Head Quarters

Completion: 16JUN1992

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: EPA Screening Site Inspection 1

Admnstrtv Category: EPA Led Action

Comments: Not reported

Start Date: 01JAN1985

Staff Number: Not reported

Rank Value: 0

Region: Not reported

Completion: 31DEC1987

FRT Action Priority: Not reported

Agency: EPA

Administrative Action: No Further Remedial Action Planned under Federal program

Admnstrtv Category: EPA Led Action

Comments: Not reported

Start Date: 31DEC1987

Staff Number: Not reported

Rank Value: 0

Region: Not reported

Completion: 31DEC1987

FRT Action Priority: Not reported

Agency: EPA

Administrative Action: EXPANDED PRELIMINARY ASSESSMENT

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 10DEC1991

Staff Number: 187

Rank Value: 0

Region: Head Quarters

Completion: 17JUN1992

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: EPA Basic Preliminary Assessment

Admnstrtv Category: EPA Led Action

Comments: Not reported

Start Date: 26JUN1984

Staff Number: Not reported

Rank Value: 0

Region: Not reported

Completion: 01AUG1984

FRT Action Priority: Not reported

Agency: EPA

Administrative Action: NO FURTHER STATE ACTION REQUIRED

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 17JUN1992

Staff Number: 187

Rank Value: 0

Region: Head Quarters

Completion: 17JUN1992

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC STATES GALVANIZING (Continued)

S103842062

Administrative Action: Site added to database

Admnstrtv Category: Administrative Action

Comments: Not reported

Start Date: 28MAR1988

Staff Number: 121

Rank Value: 0

Region: Head Quarters

Completion: 31DEC3999

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: SITE EVALUATION

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 24JAN1991

Staff Number: 123

Rank Value: 0

Region: Head Quarters

Completion: 24JAN1991

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: State Basic Preliminary Assessment recommended (PA)

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 24JAN1991

Staff Number: 123

Rank Value: 0

Region: Head Quarters

Completion: 24JAN1991

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: State Expanded Preliminary Assessment recommended (XPA)

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 09DEC1991

Staff Number: 187

Rank Value: 0

Region: Head Quarters

Completion: 09DEC1991

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Site added to CERCLIS

Admnstrtv Category: EPA Led Action

Comments: Not reported

Start Date: 01NOV1979

Staff Number: Not reported

Rank Value: 0

Region: Not reported

Completion: 31DEC3999

FRT Action Priority: Not reported

Agency: EPA

Administrative Action: NEGOTIATIONS

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 10JUL1996

Staff Number: 177

Rank Value: 0

Region: Northwest

Completion: 18JUL1996

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: REMEDIAL DESIGN

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 01NOV1996

Staff Number: 177

Rank Value: 0

Region: Northwest

Completion: 31DEC3999

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC STATES GALVANIZING (Continued)

S103842062

Administrative Action: Letter Agreement
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 18JUL1996 Completion: 18JUL1996
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Proposal for Confirmed Release List recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 26AUG1998 Completion: 26AUG1998
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Proposal for Inventory recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 26AUG1998 Completion: 26AUG1998
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Facility proposed for Confirmed Release List
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 24SEP1998 Completion: 24SEP1998
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Facility proposed for Inventory
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 24SEP1998 Completion: 24SEP1998
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Owner/operator comments received on listing notification
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 29OCT1998 Completion: 29OCT1998
Staff Number: 304 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Listing Review completed
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 25AUG1998 Completion: 25AUG1998
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PACIFIC STATES GALVANIZING (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842062

Administrative Action: Facility placed on Confirmed Release List
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 05OCT1999 Completion: 05OCT1999
Staff Number: 304 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Facility placed on Inventory
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 05OCT1999 Completion: 05OCT1999
Staff Number: 304 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ECSE Code: Not reported
Comments: Not reported

V99
SSE
1/2-1
3866
Higher

PACIFIC STATES GALVANIZING
805 NW 14TH AVE
PORTLAND, OR 97209

OR CRL

S104153911
N/A

OR CRL:
Facility ID: 1024
Current Program: Voluntary Cleanup Section

Contaminant: Groundwater
Soil
Substance: cadmium
chromium
lead
zinc

W100
SE
1/2-1
3917
Higher

HOYT ST RAILYARD
1105 NW 9TH AVE
PORTLAND, OR 97209

SHWS

S103842108
N/A

ECSI:
State ID Number: 1080
Study Area: No
Cercdis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.533 / 122.680
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0

Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOYT ST RAILYARD (Continued)

S103842108

Substance: BENZENE
Quant. Released: Not reported
Date: Not reported

Substance: TOLUENE
Quant. Released: Not reported
Date: Not reported

Substance: ETHYLBENZENE
Quant. Released: Not reported
Date: Not reported

Substance: XYLENEs
Quant. Released: Not reported
Date: Not reported

Substance: TRICHLOROETHYLENE
Quant. Released: Not reported
Date: Not reported

Substance: LEAD
Quant. Released: Not reported
Date: Not reported

Substance: ZINC
Quant. Released: Not reported
Date: Not reported

Substance: POLYAROMATIC HYDROCARBONS (PAH)
Quant. Released: Not reported
Date: Not reported

Substance: TOTAL PETROLEUM HYDROCARBONS (TPH)
Quant. Released: Not reported
Date: Not reported

Substance: PENTACHLOROPHENOL
Quant. Released: Not reported
Date: Not reported

Substance: COPPER
Quant. Released: Not reported
Date: Not reported

Alias Name: Prendergast & Associates
 Hoyt ST Property
 Hoyt ST Train Yard - Parcels 2;3;4;12

Texto: Hart Crowser report (10/22/90)
Release Desc.: Data Sources
Texto: Hart Crowser report (10/22/90)
Release Desc.: Data Sources
Texto: Hart Crowser report (10/22/90)
Release Desc.: Data Sources
Texto: Hart Crowser report (10/22/90)
Release Desc.: Data Sources
Texto: Hart Crowser report (10/22/90)
Release Desc.: Data Sources
Texto: Hart Crowser report (10/22/90)
Release Desc.: Data Sources
Texto: Hart Crowser report (10/22/90)
Release Desc.: Data Sources
Texto: Hart Crowser report (10/22/90)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HOYT ST RAILYARD (Continued)

S103842108

Release Desc.:	Data Sources		
Text:	Hart Crowser report (10/22/90)		
Release Desc.:	Data Sources		
Text:	Mathes & Assoc. report (2/90)		
Release Desc.:	Data Sources		
Text:	Mathes & Assoc. report (2/90)		
Release Desc.:	Data Sources		
Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Listed on Confirmed Release List		
Party Identifier:	11833		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	11833		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	12433		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HOYT ST RAILYARD (Continued)

Database(s)
EDR ID Number
EPA ID Number

S103842108

Party Identifier: 27771
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECK: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported
Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported
Permit Agency: DEQ
Prmt Comments: Not reported
Permit Number: Not reported
Permit Agency: DEQ/WQ
Prmt Comments: Not reported
Common Name: Not reported
Operation Status: Not reported
Oper. Comment: Not reported
End Date: 31DEC3999
Operation Sequence: Not reported
Fax: Not reported
Permit Type: Not reported
Permit Type: Not reported
Years/Operation: Not reported
Most Recent FFlag: Not reported
Administrative Action: Listing Review completed
Admnstrty Category: Listing Action
Comments: Not reported
Start Date: 07FEB1991
Staff Number: 140
Rank Value: 0
Region: Head Quarters
Completion: 07FEB1991
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
Administrative Action: Facility proposed for Confirmed Release List
Admnstrty Category: Listing Action
Comments: Not reported
Start Date: 28JUN1991
Staff Number: 140
Rank Value: 0
Region: Head Quarters
Completion: 28JUN1991
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
Administrative Action: Proposal for Confirmed Release List recommended
Admnstrty Category: Listing Action
Comments: Not reported
Start Date: 07FEB1991
Staff Number: 140
Rank Value: 0
Region: Head Quarters
Completion: 07FEB1991
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HOYT ST RAILYARD (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842108

Administrative Action: SITE EVALUATION

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 01FEB1990

Staff Number: 140

Rank Value: 0

Region: Head Quarters

Completion: 01FEB1990

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Review for final listing

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 20SEP1991

Staff Number: 140

Rank Value: 0

Region: Head Quarters

Completion: 20SEP1991

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Listing on Confirmed Release List recommended

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 20SEP1991

Staff Number: 140

Rank Value: 0

Region: Head Quarters

Completion: 20SEP1991

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Facility placed on Confirmed Release List

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 27SEP1991

Staff Number: 116

Rank Value: 0

Region: Head Quarters

Completion: 27SEP1991

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: BASIC PRELIMINARY ASSESSEMENT

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 23DEC1991

Staff Number: 185

Rank Value: 0

Region: Head Quarters

Completion: 30JUN1992

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Listing Review completed

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 01OCT1992

Staff Number: 202

Rank Value: 0

Region: Head Quarters

Completion: 01OCT1992

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Owner/operator comments received on listing notification

Admnstrtv Category: Listing Action

Comments: Ltr dated 12/22/92 from Douglas Hayes

Start Date: 28DEC1992

Staff Number: Not reported

Rank Value: 0

Region: Head Quarters

Completion: 28DEC1992

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HOYT ST RAILYARD (Continued)

S103842108

Administrative Action: VCS Waiting List
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 26JUL1993
Staff Number: 121
Rank Value: 0
Region: Northwest

Completion: 24JAN1994
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: NEGOTIATIONS
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 25JAN1994
Staff Number: 227
Rank Value: 0
Region: Northwest

Completion: 09NOV1994
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Proposal for Inventory recommended
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 02OCT1992
Staff Number: 202
Rank Value: 0
Region: Head Quarters

Completion: 02OCT1992
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to database
Adminstrtv Category: Administrative Action
Comments: Not reported
Start Date: 07FEB1991
Staff Number: 140
Rank Value: 0
Region: Head Quarters

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 10OCT1992
Staff Number: 202
Rank Value: 0
Region: Head Quarters

Completion: 10OCT1992
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Refer to LUST Program
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01DEC1990
Staff Number: 150
Rank Value: 0
Region: Head Quarters

Completion: 04FEB1994
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Facility placed on Inventory
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 20JUL1996
Staff Number: 304
Rank Value: 0
Region: Head Quarters

Completion: 20JUL1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HOYT ST RAILYARD (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842108

Administrative Action: REMEDIAL INVESTIGATION

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 17AUG1995

Staff Number: 102

Rank Value: 0

Region: Northwest

Completion: 15MAY1997

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: NEGOTIATIONS

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 22MAR1995

Staff Number: 102

Rank Value: 0

Region: Northwest

Completion: 16AUG1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: RISK ASSESSMENT

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 01JUL1996

Staff Number: 102

Rank Value: 0

Region: Northwest

Completion: 02APR1998

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: REMOVAL

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 01MAR1996

Staff Number: 102

Rank Value: 0

Region: Northwest

Completion: 01JUL1996

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: FEASIBILITY STUDY

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 03APR1998

Staff Number: 102

Rank Value: 0

Region: Northwest

Completion: 31DEC3999

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Consent Order

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 16AUG1995

Staff Number: 102

Rank Value: 0

Region: Northwest

Completion: 16AUG1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: SRS Waiting List

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 09NOV1994

Staff Number: 102

Rank Value: 0

Region: Head Quarters

Completion: 22MAR1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported

ECPE Substance Code: Not reported

ESCE Code: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HOYT ST RAILYARD (Continued)

S103842108

Comments: Not reported

W101
SE
1/2-1
3917
Higher

DANT & RUSSELL (DAR) - MILL SITE
818 HILLCREST AVE
NORTH PLAINS, OR 97133

OR CRL

S103303257
N/A

OR CRL:

Facility ID: 108
Current Program: Emergency Response

Contaminant: Groundwater
Soil
Substance: arsenic
benzo(a)anthracene
benzo(a)pyrene
chromium
copper
pentachlorophenol
polyaromatic hydrocarbons (pah)
xylenes

Facility ID: 1080
Current Program: Emergency Response

Contaminant: Groundwater
Soil
Surface Water
Substance: benzene
copper
ethylbenzene
lead
pentachlorophenol
polyaromatic hydrocarbons (pah)
toluene
total petroleum hydrocarbons (tph)
trichloroethylene
xylenes
zinc

102
West
1/2-1
4064
Higher

SCHMITT FORGE INC
2765 NW NICOLA ST
PORTLAND, OR 97210

RCRIS-SQG 1000694940
FINDS ORD987195245
UST
LUST
SHWS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SCHMITT FORGE INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000694940

RCRIS:

Owner: KEN WARD
(503) 222-3641
Contact: KEN WARD
(503) 222-3641
Record Date: Not reported
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

ECSI:

State ID Number: 1347
Study Area: No
Cercis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.539 / 122.708
Township Coord.: 0.00
Range Coord.: 0.00
Section Coord.: 0

Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: Not reported
Quant. Released: Not reported
Date: Not reported
Alias Name: Schmitt Industries
Text: Not reported
Release Desc.: Not reported

Sampling Start: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: No Further Action

Sampling End: Not reported

Lab Data Indicator: Not reported

Party Affiliation: None Reported:

Site Status: Not reported
Assoc Date: Not reported

Permit Number: Not reported
Permit Agency: Not reported
Prmt Comments: Not reported

Permit Type: Not reported

Common Name: Not reported
Operation Status: Not reported
Oper. Comment: Not reported

Years/Operation: Not reported
Most Recent FFlag: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SCHMITT FORGE INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000694940

Administrative Action: VCS Waiting List
Admnstrtv Category: Remedial Action
Comments: \$2K Letter Agreement signed 3/9/93 for review and concurrence with consultant-prepared PA.
Start Date: 17FEB1993 Completion: 09MAR1993
Staff Number: 121 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Administrative Action: BASIC PRELIMINARY ASSESSEMENT
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 09MAR1993 Completion: 15APR1993
Staff Number: 124 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Administrative Action: NO FURTHER STATE ACTION REQUIRED
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 15APR1993 Completion: 15APR1993
Staff Number: 124 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 24FEB1993 Completion: 31DEC3999
Staff Number: 121 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Administrative Action: SITE EVALUATION
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 08MAR1993 Completion: 08MAR1993
Staff Number: 124 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Administrative Action: Listing Review completed
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 08MAR1993 Completion: 08MAR1993
Staff Number: 124 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SCHMITT FORGE INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000694940

Administrative Action: Insufficient information to list
Adminstrtrv Category: Listing Action
Comments: Not reported
Start Date: 08MAR1993
Staff Number: 124
Rank Value: 0
Region: Not reported
Completion: 15APR1993
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: State Basic Preliminary Assessment recommended (PA)
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 08MAR1993
Staff Number: 124
Rank Value: 0
Region: Not reported
Completion: 08MAR1993
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

LUST:

Facility ID: 26-92-0071
Clean Lead: Responsible Person
Closed Date: Not reported
Region: North Western Region
Cleanup Start Date: 04APR1992
Cleanup Completion: Not reported

UST:

Facility ID: 10968
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 0
Decommissioned Tanks: 1

103
NE
1/2-1
4169
Higher

INDUSTRIAL BATTERY BUILDING
3166 N GREELEY AVE
PORTLAND, OR 97227

SHWS

S103841997
N/A

ECSI:

State ID Number: 935
Study Area: No
Cerclis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.547 / 122.680
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: Not reproted
Quant. Released: Not reproted
Date: Not reproted

Alias Name: Interstate Battery Building
Text: Not reported
Release Desc.: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

INDUSTRIAL BATTERY BUILDING (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103841997

Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	No Further Action		
Party Affiliation:	None Reported:		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	REMOVAL		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	01MAR1993	Completion:	13OCT1994
Staff Number:	226	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	SITE EVALUATION		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	27FEB1993	Completion:	27FEB1993
Staff Number:	226	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Listing Review completed		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	28FEB1993	Completion:	28FEB1993
Staff Number:	226	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Insufficient information to list		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	28FEB1993	Completion:	06NOV1995
Staff Number:	226	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

INDUSTRIAL BATTERY BUILDING (Continued)

EDR ID Number
EPA ID Number

Database(s)

Administrative Action: REMOVAL
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 15MAR1994
Staff Number: 226
Rank Value: 0
Region: Head Quarters
Completion: 30JUN1994
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 21SEP1989
Staff Number: 123
Rank Value: 0
Region: Head Quarters
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: ORPHAN SITE
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 29NOV1994
Staff Number: 226
Rank Value: 0
Region: Head Quarters
Completion: 06NOV1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: NO FURTHER STATE ACTION REQUIRED
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 06NOV1995
Staff Number: 226
Rank Value: 0
Region: Head Quarters
Completion: 06NOV1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

104
WNW
1/2-1
4235
Higher

AMERICAN MACHINE AND GEAR
2770 NW INDUSTRIAL ST
PORTLAND, OR 97210

SHWS
OR VCS

S103843132
N/A

ECSI:

State ID Number: 2261
Study Area: No
Cercis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.542 / 122.708
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: POLYAROMATIC HYDROCARBONS (PAH)
Quant. Released: Not reported
Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERICAN MACHINE AND GEAR (Continued)

S103843132

Substance: OIL - WASTE
Quant. Released: Not reported
Date: Not reported
Alias Name: Not reported
Text: Not reported
Release Desc.: Not reported
Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Suspect Site - Needs Investigation
Party Identifier: 35759
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported
Site Status: Not reported
Assoc Date: Not reported
Permit Number: Not reported Permit Type: Not reported
Permit Agency: Not reported
Prmt Comments: Not reported
Common Name: Not reported Years/Operation: Not reported
Operation Status: Not reported Most Recent FFlag: Not reported
Oper. Comment: Not reported
Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 01OCT1998 Completion: 01OCT1998
Staff Number: 297 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest
Administrative Action: VCS Waiting List
Admnstrtv Category: Remedial Action
Comments: Reason in program: NFA for pending property transaction.
Start Date: 01OCT1998 Completion: 02MAR1999
Staff Number: 297 FRT Action Priority: Not reported
Rank Value: 7 Agency: Dept of Env. Quality
Region: Northwest

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMERICAN MACHINE AND GEAR (Continued)

S103843132

Administrative Action: Letter Agreement
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 02MAR1999 Completion: 23APR1999
Staff Number: 424 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: NEGOTIATIONS
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 02MAR1999 Completion: 23APR1999
Staff Number: 424 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: PRELIMINARY ASSESSMENT EQUIVALENT
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 26APR1999 Completion: 31DEC3999
Staff Number: 424 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

OR VCS:
ECS Site ID: 2261
Action: NFA
Start Date: 12/22/1999
End Date: 12/22/1999
Program: VCS
CRL: NFA
Facility Size: Not reported
Project Manager Last Name: Pettit
Project Manager First Name: Don

105
ENE
1/2-1
4340
Higher

UNION PACIFIC RR - ALBINA YARD
2745 N INTERSTATE AVE
PORTLAND, OR 97227

UST
OR SPILLS
SHWS
OR CRL

U000433424
N/A

ECSI:
State ID Number: 178
Study Area: No
Cercilis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.547 / 122.673
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0

Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNION PACIFIC RR - ALBINA YARD (Continued)

Database(s)
EDR ID Number
EPA ID Number

U000433424

Substance: PETROLEUM
Quant. Released: Not reported
Date: Not reported
Alias Name: Albina RR yard
Portland Harbor Sediment Study
Text: NWR Source WQ and HW
Release Desc.: Data Sources
Text: Unknown qty rel. for other release dates
Release Desc.: General Comments
Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Listed on Confirmed Release List
Contamination:
(GMW 7/25/96) Numerous diesel spills have occurred at this large railyard over the many years of its operation. Releases have also resulted from locomotive refueling in parts of the yard not designed to contain spillage. File info. shows that the facility's wastewater treatment plant has experienced overflows and valve problems that allowed diesel to enter the Willamette River. Union Pacific assembled and painted box cars at this site until about 1984; which resulted in the generation of large quantities of paint-related wastes. There is no documentation in DEQ files regarding UP's management and disposal of these wastes. Following a fuel spill and cleanup in April 1996; UP's consultant sampled soil from the spill area; and it contained 5,600 ppm diesel
Data Sources:
Source files located in DEQ's Northwest Region office: WQ; HW; DEQ Northwest Region Spill file 96-110; correspondence from owner and/or operator.
Hazardous Substance/Waste Types:
Petroleum compounds; primarily diesel and oil; possibly also paint-related solvents and metals.
Site Location:
The southern end of the site is beneath the Fremont Bridge; and the yard fronts the Willamette River.
Manner of Release:
Known historical spills occurred 9/67; 11/70; 1/73; 12/79. Several of these involved overflows or bypasses from the facility's wastewater treatment plant; resulting in diesel entering the Willamette River. A diesel spill of up to 80 gal. was reported to DEQ's Northwest Region 4/27/96. There may be other contamination from accumulated spills and other unknown sources at the site.
Pathways & Other Hazards:
Soil and surface water are known to have been contaminated; groundwater may also be affected. Leaching of contamination into the Willamette River is likely to be the pathway of greatest environmental concern.
Remedial Action:
(GMW 7/25/96) There appear to be areas with significant soil and possibly groundwater contamination at this site. The yard should be placed on the Confirmed Release List. In addition; a preliminary assessment should be conducted to summarize historical operations; spills/releases; and facility features; as well as to evaluate potential exposure pathways. Further state action is a low-to-medium priority.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

UNION PACIFIC RR - ALBINA YARD (Continued)

U000433424

Party Identifier:	4869		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	23614		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	DEQ		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Site Screening recommended (EV)		
Admnstrty Category:	Remedial Action		
Comments:	Not reported		
Start Date:	12FEB1994	Completion:	12FEB1994
Staff Number:	107	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Not reported		
Administrative Action:	Responsible party notified re 11/88 Inventory listing		
Admnstrty Category:	Listing Action		
Comments:	Not reported		
Start Date:	30NOV1988	Completion:	31DEC3999
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

UNION PACIFIC RR - ALBINA YARD (Continued)

U000433424

Administrative Action: Site added to database
Adminstrtv Category: Administrative Action
Comments: Not reported
Start Date: 16AUG1988
Staff Number: 123
Rank Value: 0
Region: Not reported
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: SITE EVALUATION
Adminstrtv Category: Remedial Action
Comments: state screening.
Start Date: 13JUN1996
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 25JUL1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Listing Review completed
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 18JUL1996
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 25JUL1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Proposal for Confirmed Release List recommended
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 25JUL1996
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 25JUL1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: State Basic Preliminary Assessment recommended (PA)
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 25JUL1996
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 25JUL1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Facility proposed for Confirmed Release List
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 24JAN1997
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 24JAN1997
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Facility placed on Confirmed Release List
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 08APR1997
Staff Number: 304
Rank Value: 0
Region: Northwest
Completion: 08APR1997
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNION PACIFIC RR - ALBINA YARD (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000433424

Administrative Action: BASIC PRELIMINARY ASSESSEMENT
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 26AUG1999
Staff Number: 853
Rank Value: 0
Region: Northwest
Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: 178
ECPE Substance Code: ECD222
ESCE Code: TANK
Comments: Not reported

OR SPILLS:

Facility ID: Not reported
Material: Not reported
Release Date: Not reported
How Occurred: Not reported
Location: RAILROAD YARD
Description: TRAIN ENGINE HIT TRAILER CHASSIS & TORE AN EXTERIOR MOUNTED CRANKCASE LINE

Spill Date: Not reported
Quantity: Not reported
Year: 95

Facility ID: Not reported
Material: Not reported
Release Date: 19971222
How Occurred: Not reported
Location: Area A, between rows 5 and 6.
Description: A grate embedded in asphalt. Popped up and punctured the fuel tank- Fuel spilled onto the paved lot. No waterways affected. 100 gallons diesel fuel spilled.

Spill Date: 22DEC1997
Quantity: Not reported
Year: 97

OR CRL:

Facility ID: 178
Current Program: Site Response Section

Contaminant: Sediment
Soil
Surface Water
Substance: arsenic
bis(2-ethylhexyl)phthalate
butyl benzyl phthalate
di-n-octyl phthalate
lead
petroleum
zinc

Facility ID: 178
Current Program: Emergency Response

Contaminant: Groundwater
Sediment
Soil
Substance: arsenic
benzene
benzo(a)anthracene
lead
petroleum
zinc
butyl benzyl phthalate

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

UNION PACIFIC RR - ALBINA YARD (Continued)

EDR ID Number
EPA ID Number

Database(s)

U000433424

UST:

Facility ID: 8318
Facility Telephone: (402) 271-4638
Permittee Name: Union Pacific Railroad
Active Tanks: 0
Decommissioned Tanks: 9

106
SE
1/2-1
4678
Higher

FORMER MANUFACTURED GAS PLANT - NW PORTL
838 NW 9TH AVE
, OR 97209

SHWS

S104226616
N/A

ECSI:

State ID Number:	1942	Coordinator Supplier:	USGS 7.5 min Topo
Study Area:	No	Tax Lots:	Not reported
Cerclis ID:	Not reported	NPL:	Not reported
Size:	Not reported	ECFS Code:	Not reported
Orphan:	Not reported	Tax Lots:	Not reported
Lat/Long:	45.530 / 122.678	Township Zone:	Not reported
Township Coord.:	1.00	Range Zone:	Not reported
Range Coord.:	1.00	Qtr Section:	Not reported
Section Coord.:	0		

Substance: LEAD
Quant. Released: Not reported
Date: Not reported

Substance: TOTAL PETROLEUM HYDROCARBONS (TPH)
Quant. Released: Not reported
Date: Not reported

Substance: POLYAROMATIC HYDROCARBONS (PAH)
Quant. Released: Not reported
Date: Not reported

Substance: BENZO(a)PYRENE
Quant. Released: Not reported
Date: Not reported

Substance: DIBENZO(a,h)ANTHRACENE
Quant. Released: Not reported
Date: Not reported

Substance: BENZENE
Quant. Released: Not reported
Date: Not reported

Substance: ACENAPHTHENE
Quant. Released: Not reported
Date: Not reported

Alias Name: Pintsch Compressing Co. Gas Works
Main Post Office - Portland
US Post Office (Hoyt Street) - Portland

Text: Wells screened at 10 to 25 feet bgs. SWLs of 12 to 16.5 feet bgs.
Release Desc.: Media Contamination Footnote
Text: As total PAHs. Total carcinogenic PAHs in groundwater up to 370 ug/l.
Release Desc.: Media Contamination Footnote
Text: Up to 370 ug/l carcinogenic PAHs in groundwater.
Release Desc.: Media Contamination Footnote
Text: Up to 85 mg/Kg carcinogenic PAHs in soils.

Map ID	Direction	Distance	Distance (ft.)	Elevation	Site
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EDR ID Number
EPA ID Number

S104226616

TC1483291:1p Page 113

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

FORMER MANUFACTURED GAS PLANT - NW PORTL (Continued)

S104226616

Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Suspect Site - Needs Investigation

Party Identifier: 28238
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECSK: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Party Identifier: 34909
Description: Not reported
Effective Date: Not reported End Date: 01JUL1934
Party Comments: Not reported
Date Comments: Not reported
Operation ECSK: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Party Identifier: 20414
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECSK: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FORMER MANUFACTURED GAS PLANT - NW PORTL (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104226616

Party Identifier:	38105		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Party Identifier:	33822		
Description:	Not reported		
Effective Date:	Not reported	End Date:	17MAR1999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Site added to database		
Admnstrty Category:	Administrative Action		
Comments:	Not reported		
Start Date:	21OCT1996	Completion:	31DEC3999
Staff Number:	297	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		
Administrative Action:	SITE EVALUATION		
Admnstrty Category:	Remedial Action		
Comments:	Federal screening / State PAE.		
Start Date:	17OCT1996	Completion:	17MAR1999
Staff Number:	271	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FORMER MANUFACTURED GAS PLANT - NW PORTL (Continued)

EDR ID Number
EPA ID Number

S104226616

Administrative Action: Remedial Investigation/Feasibility Study recommended
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 17MAR1999
Staff Number: 271
Rank Value: 82
Region: Northwest
Completion: 17MAR1999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality
ECSF Desc.: Not reported
ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

107
SE
1/2-1
4722
Higher

HOYT ST TRAIN YARD - PARCEL 1
1101 NW HOYT ST
PORTLAND, OR 97209

SHWS

S103842576
N/A

ECSI:

State ID Number: 1624
Study Area: No
Cercdis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.529 / 122.679
Township Coord.: 1.00
Range Coord.: 1.00
Section Coord.: 0
Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported
Substance: BENZENE
Quant. Released: Not reported
Date: Not reported
Substance: BENZO(a)ANTHRACENE
Quant. Released: Not reported
Date: Not reported
Substance: BENZO(a)PYRENE
Quant. Released: Not reported
Date: Not reported
Substance: BENZO(b)FLUORANTHENE
Quant. Released: Not reported
Date: Not reported
Substance: BENZO(k)FLUORANTHENE
Quant. Released: Not reported
Date: Not reported
Substance: CHRYSENE
Quant. Released: Not reported
Date: Not reported
Substance: DIBENZO(a,h)ANTHRACENE
Quant. Released: Not reported
Date: Not reported
Substance: ETHYLBENZENE
Quant. Released: Not reported
Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOYT ST TRAIN YARD - PARCEL 1 (Continued)

S103842576

Substance: INDENO(1;2;3-cd)PYRENE
Quant. Released: Not reported
Date: Not reported

Substance: LEAD
Quant. Released: Not reported
Date: Not reported

Substance: NAPHTHALENE
Quant. Released: Not reported
Date: Not reported

Substance: TOLUENE
Quant. Released: Not reported
Date: Not reported

Substance: TOTAL PETROLEUM HYDROCARBONS (TPH)
Quant. Released: Not reported
Date: Not reported

Substance: XYLENEs
Quant. Released: Not reported
Date: Not reported

Alias Name: Hoyt Street Property
Prendergast & Associates

Text: Not reported
Release Desc.: Not reported

Sampling Start: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Suspect Site - Needs Investigation

Sampling End: Not reported

Lab Data Indicator: Not reported

Party Identifier: 12435
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported

End Date: 31DEC3999

Operation Sequence: Not reported

Fax: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOYT ST TRAIN YARD - PARCEL 1 (Continued)

S103842576

Party Identifier: 26717
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Site Status: Not reported
Assoc Date: Not reported

Permit Number: Not reported Permit Type: Not reported
Permit Agency: DEQ/WQ
Prmt Comments: Not reported

Common Name: Not reported Years/Operation: Not reported
Operation Status: Not reported Most Recent FFlag: Not reported
Oper. Comment: Not reported

Administrative Action: State Basic Preliminary Assessment recommended (PA)
Admnstrty Category: Remedial Action
Comments: Not reported
Start Date: 28OCT1994 Completion: 28OCT1994
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: SITE EVALUATION
Admnstrty Category: Remedial Action
Comments: Not reported
Start Date: 27OCT1994 Completion: 28OCT1994
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Listing Review completed
Admnstrty Category: Listing Action
Comments: Not reported
Start Date: 28OCT1994 Completion: 31OCT1994
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Site added to database
Admnstrty Category: Administrative Action
Comments: Not reported
Start Date: 31OCT1994 Completion: 31DEC3999
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HOYT ST TRAIN YARD - PARCEL 1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842576

Administrative Action: Proposal for Confirmed Release List recommended
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 31OCT1994 Completion: 31OCT1994
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Facility proposed for Confirmed Release List
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 05DEC1994 Completion: 05DEC1994
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Petition or request granted
Adminstrtv Category: Listing Action
Comments: By phone conversation with Hala Vogus - is sending letter to confirm.
Start Date: 12JAN1995 Completion: 12JAN1995
Staff Number: 195 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Extension requested by owner/operator
Adminstrtv Category: Listing Action
Comments: By phone conversation with Hala Vogus - is sending letter to confirm.
Start Date: 12JAN1995 Completion: 12JAN1995
Staff Number: 195 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Owner/operator comments received on listing notification
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 10MAR1995 Completion: 10MAR1995
Staff Number: 195 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

X108
WNW
1/2-1
4727
Higher

NUDELMAN & SON INC.
2707 NW NELA ST
PORTLAND, OR 97210

SHWS

S103842001
N/A

ECSI:

State ID Number: 966
Study Area: No
Cerculis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.544 / 122.709
Township Coord.: 0.00

Coordinator Supplier: UPS - 3100
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NUDELMAN & SON INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842001

Range Coord.:	0.00	Range Zone:	Not reported
Section Coord.:	0	Qtr Section:	Not reported
Substance:	Not reported		
Quant. Released:	Not reported		
Date:	Not reported		
Alias Name:	Not reported		
Text:	Not reported		
Release Desc.:	Not reported		
Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Suspect Site - Needs Investigation		
Party Affiliation:	None Reported:		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	BASIC PRELIMINARY ASSESSEMENT		
Admnstrtv Category:	Remedial Action		
Comments:	Federal.		
Start Date:	13MAR1989	Completion:	08JUN1989
Staff Number:	123	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	No Further Remedial Action Planned under Federal program		
Admnstrtv Category:	EPA Led Action		
Comments:	Not reported		
Start Date:	19MAY1989	Completion:	19MAY1989
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	EPA
Region:	Not reported		
Administrative Action:	Site added to database		
Admnstrtv Category:	Administrative Action		
Comments:	Not reported		
Start Date:	08JUN1989	Completion:	31DEC3999
Staff Number:	123	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NUDELMAN & SON INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842001

Administrative Action: SITE EVALUATION
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 12MAR1989
Staff Number: 123
Rank Value: 0
Region: Head Quarters

Completion: 12MAR1989
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: State Basic Preliminary Assessment recommended (PA)
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 12MAR1989
Staff Number: 123
Rank Value: 0
Region: Head Quarters

Completion: 12MAR1989
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to CERCLIS
Adminstrtrv Category: EPA Led Action
Comments: Not reported
Start Date: 06OCT1988
Staff Number: Not reported
Rank Value: 0
Region: Not reported
ECSF Desc.: Not reported

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: EPA

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

X109
WNW
1/2-1
4810
Higher

LONGVIEW CITY LAUNDRY & CLEANERS INC
2737 NW NELA ST
PORTLAND, OR 97210

RCRIS-SQG 1001128165
FINDS ORQ000005140
SHWS
OR VCS

RCRIS:

Owner: LONGVIEW CITY LAUNDRY & CLEANERS, INC.
(503) 694-2671

Contact: JIM BURNETT
(503) 625-2560

Record Date: Not reported

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

ECSI:

State ID Number: 1395
Study Area: No
Cercdis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.544 / 122.709
Township Coord.: 0.00
Range Coord.: 0.00
Section Coord.: 0

Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONGVIEW CITY LAUNDRY & CLEANERS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1001128165

Substance: LEAD
Quant. Released: Not reported
Date: Not reported

Substance: BENZENE
Quant. Released: Not reported
Date: Not reported

Substance: ARSENIC
Quant. Released: Not reported
Date: Not reported

Substance: IRON
Quant. Released: Not reported
Date: Not reported

Substance: MANGANESE
Quant. Released: Not reported
Date: Not reported

Substance: CADMIUM
Quant. Released: Not reported
Date: Not reported

Substance: CHROMIUM
Quant. Released: Not reported
Date: Not reported

Substance: PCBs
Quant. Released: Not reported
Date: Not reported

Substance: NAPHTHALENE
Quant. Released: Not reported
Date: Not reported

Substance: TOTAL PETROLEUM HYDROCARBONS (TPH)
Quant. Released: Not reported
Date: Not reported

Alias Name: LCL&C

Text: Mineral spirits were also detected in groundwater (6.8 mg/L)

Release Desc.: Media Contamination Footnote

Text: Not reported

Release Desc.: Media Contamination Footnote

Text: Not reported

Release Desc.: Media Contamination Footnote

Text: Not reported

Release Desc.: Media Contamination Footnote

Text: Not reported

Release Desc.: Media Contamination Footnote

Text: Not reported

Release Desc.: Media Contamination Footnote

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONGVIEW CITY LAUNDRY & CLEANERS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1001128165

Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Suspect Site - Needs Investigation		
Party Identifier:	11742		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent F Lag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	SITE EVALUATION		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	01SEP1993	Completion:	01SEP1993
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		
Administrative Action:	Insufficient information to list		
Admnstrtv Category:	Listing Action		
Comments:	Pending completion of LCL&C's further site investigation.		
Start Date:	02SEP1993	Completion:	31DEC3999
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		
Administrative Action:	State Basic Preliminary Assessment recommended (PA)		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	03SEP1993	Completion:	03SEP1993
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LONGVIEW CITY LAUNDRY & CLEANERS INC (Continued)

1001128165

Administrative Action: Listing Review completed
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 02SEP1993
Staff Number: 283
Rank Value: 0
Region: Northwest

Completion: 02SEP1993
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site added to database
Adminstrtv Category: Administrative Action
Comments: Not reported
Start Date: 28JUN1993
Staff Number: 185
Rank Value: 6
Region: Head Quarters

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: VCS Waiting List
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 14JUL1995
Staff Number: 237
Rank Value: 6
Region: Northwest

Completion: 12APR1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: NEGOTIATIONS
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 15APR1996
Staff Number: 497
Rank Value: 0
Region: Northwest

Completion: 31DEC3999
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Letter Agreement
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 02MAY1996
Staff Number: 497
Rank Value: 0
Region: Northwest

Completion: 02MAY1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: BASIC PRELIMINARY ASSESSEMENT
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 15APR1996
Staff Number: 497
Rank Value: 0
Region: Northwest

Completion: 01JUL1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

OR VCS:

ECS Site ID: 1395
Action: NEG
Start Date: 04/15/1996
End Date: Not reported
Program: VCS

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LONGVIEW CITY LAUNDRY & CLEANERS INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1001128165

CRL: SUS
Facility Size: 0.9 acres
Project Manager Last Name: Anderson
Project Manager First Name: Jim

110
East
1/2-1
4860
Higher

CASCADE BRAKE PRODUCTS
698 N PAGE ST
PORTLAND, OR 97227

SHWS

S103842065
N/A

ECSI:

State ID Number: 1019
Study Area: No
Cercis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.540 / 122.673
Township Coord.: 0.00
Range Coord.: 0.00
Section Coord.: 0

Coordinator Supplier: UPS - 3010
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported
Range Zone: Not reported
Qtr Section: Not reported

Substance: Not reported
Quant. Released: Not reported
Date: Not reported

Alias Name: Not reported
Text: Not reported
Release Desc.: Not reported

Sampling Start: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported

Sampling End: Not reported

Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Suspect Site - Needs Investigation

Lab Data Indicator: Not reported

Party Identifier: 10163
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported

End Date: 31DEC3999

Operation Sequence: Not reported

Fax: Not reported

Site Status: Not reported
Assoc Date: Not reported

Permit Number: Not reported
Permit Agency: Not reported
Prmt Comments: Not reported

Permit Type: Not reported

Common Name: Not reported
Operation Status: Not reported
Oper. Comment: Not reported

Years/Operation: Not reported
Most Recent FFlag: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CASCADE BRAKE PRODUCTS (Continued)

S103842065

Administrative Action: Listing Review completed
Adminstrtrv Category: Listing Action
Comments: Not reported
Start Date: 28DEC1990 Completion: 28DEC1990
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Insufficient information to list
Adminstrtrv Category: Listing Action
Comments: Not reported
Start Date: 28DEC1990 Completion: 31DEC3999
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: SITE EVALUATION
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 27DEC1990 Completion: 27DEC1990
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Site added to database
Adminstrtrv Category: Administrative Action
Comments: Not reported
Start Date: 13MAR1990 Completion: 31DEC3999
Staff Number: 133 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: State Basic Preliminary Assessment recommended (PA)
Adminstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 28DEC1990 Completion: 28DEC1990
Staff Number: 177 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

111
East
1/2-1
4950
Higher

PRIESTLEY OIL & CHEMICAL CO.
2429 N BORTHWICK AVE
PORTLAND, OR 97227

SHWS
OR CRL

S103842157
N/A

ECSI:

State ID Number: 1139
Study Area: No
Cercdis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.586 / 122.672
Township Coord.: 1.00

Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PRIESTLEY OIL & CHEMICAL CO. (Continued)

S103842157

Range Coord.: 1.00 Range Zone: Not reported
Section Coord.: 0 Qtr Section: Not reported
Substance: ACETONE
Quant. Released: Not reported
Date: Not reported
Substance: ETHYLBENZENE
Quant. Released: Not reported
Date: Not reported
Substance: GASOLINE
Quant. Released: Not reported
Date: Not reported
Substance: TOLUENE
Quant. Released: Not reported
Date: Not reported
Substance: XYLENES
Quant. Released: Not reported
Date: Not reported
Substance: DIESEL - FUEL OIL
Quant. Released: Not reported
Date: Not reported
Substance: TOTAL PETROLEUM HYDROCARBONS (TPH)
Quant. Released: Not reported
Date: Not reported
Substance: ISOPHORONE
Quant. Released: Not reported
Date: Not reported
Alias Name: Tarr Inc.
Text: Reported contaminant levels were for soil before removal. Remaining
Release Desc.: Media Contamination Footnote
Text: contamination around transfer piping is presumed to be similar.
Release Desc.: Media Contamination Footnote
Sampling Start: Not reported Sampling End: Not reported
Sample Depth: Not reported
Sampling Result: Not reported
Obsrvtn Indicator: Not reported
Owner/Operator: Not reported Lab Data Indicator: Not reported
Medium Description: Not reported
Minimum Concentration Valve: Not reported
Maximum Concentration Valve: Not reported
Investigation Status: Listed on Confirmed Release List

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PRIESTLEY OIL & CHEMICAL CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842157

Party Identifier:	11610		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECSK:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	AQ		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Listing Review completed		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	17APR1991	Completion:	17APR1991
Staff Number:	140	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Proposal for Confirmed Release List recommended		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	18APR1991	Completion:	18APR1991
Staff Number:	140	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Facility proposed for Confirmed Release List		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	27NOV1992	Completion:	27NOV1992
Staff Number:	229	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Extension requested by owner/operator		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	22DEC1992	Completion:	22DEC1992
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Not reported
Region:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PRIESTLEY OIL & CHEMICAL CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842157

Administrative Action: State Basic Preliminary Assessment recommended (PA)
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 31DEC1992 Completion: 31DEC1992
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Facility placed on Confirmed Release List
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 06APR1994 Completion: 06APR1994
Staff Number: 185 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Listing on Confirmed Release List recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 05APR1994 Completion: 05APR1994
Staff Number: 119 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Listing on Inventory recommended
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 05APR1994 Completion: 05APR1994
Staff Number: 119 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 15OCT1991 Completion: 31DEC3999
Staff Number: 140 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: SITE EVALUATION
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 16APR1991 Completion: 17APR1992
Staff Number: 140 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Petition or request granted
Admnstrtv Category: Listing Action
Comments: Not reported
Start Date: 23DEC1992 Completion: 23DEC1992
Staff Number: 107 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PRIESTLEY OIL & CHEMICAL CO. (Continued)

S103842157

Administrative Action: Owner/operator comments received on listing notification
Admnstrtrv Category: Listing Action
Comments: Ltr dated 1/8/93 from Byron C. Tarr, Priestley Oil
Start Date: 08JAN1993 Completion: 08JAN1993
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: Not reported
Region: Not reported

Administrative Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Admnstrtrv Category: Remedial Action
Comments: Not reported
Start Date: 24DEC1992 Completion: 30DEC1992
Staff Number: 229 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: Review for final listing
Admnstrtrv Category: Listing Action
Comments: Not reported
Start Date: 04APR1994 Completion: 05APR1994
Staff Number: 119 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

OR CRL:
Facility ID: 1139
Current Program: Site Response Section

Contaminant: Soil
Substance: acetone
diesel - fuel oil
ethylbenzene
gasoline
isophorone
toluene
total petroleum hydrocarbons (tph)
xylenes

112
West
1/2-1
5076
Higher

GALVANIZERS CO.
2406 NW 30TH AVE
PORTLAND, OR 97210

SHWS
OR CRL

S103842198
N/A

ECSI:

State ID Number: 1196
Study Area: No Coordinator Supplier: Not reported
Cerculis ID: Not reported Tax Lots: Not reported
Size: Not reported NPL: Not reported
Orphan: Not reported ECFS Code: Not reported
Lat/Long: 45.539 / 122.710 Tax Lots: Not reported
Township Coord.: 1.00 Township Zone: Not reported
Range Coord.: 1.00 Range Zone: Not reported
Section Coord.: 0 Qtr Section: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

GALVANIZERS CO. (Continued)

S103842198

Substance: ZINC
Quant. Released: Not reported
Date: Not reported

Substance: CHROMIUM
Quant. Released: Not reported
Date: Not reported

Substance: LEAD
Quant. Released: Not reported
Date: Not reported

Substance: IRON
Quant. Released: Not reported
Date: Not reported

Substance: PETROLEUM HYDROCARBONS
Quant. Released: Not reported
Date: Not reported

Alias Name: Not reported

Text: Oil-range hydrocarbons

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Sampling Start: Not reported

Sampling End: Not reported

Sample Depth: Not reported

Sampling Result: Not reported

Obsrvtn Indicator: Not reported

Owner/Operator: Not reported

Lab Data Indicator: Not reported

Medium Description: Not reported

Minimum Concentration Valve: Not reported

Maximum Concentration Valve: Not reported

Investigation Status: Listed on Confirmed Release List

Party Identifier: 11605

Description: Not reported

Effective Date: Not reported

End Date: 31DEC3999

Party Comments: Not reported

Date Comments: Not reported

Operation ECKS: Not reported

Operation Sequence: Not reported

Party Name: Not reported

Party Addr: Not reported

Phone: Not reported

Fax: Not reported

Legal Name: Not reported

Comments: Not reported

Site Status: Not reported

Assoc Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GALVANIZERS CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842198

Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Listing Review completed		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	14MAY1992	Completion:	14MAY1992
Staff Number:	202	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Proposal for Confirmed Release List recommended		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	15MAY1992	Completion:	15MAY1992
Staff Number:	202	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	State Basic Preliminary Assessment recommended (PA)		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	16MAY1992	Completion:	16MAY1992
Staff Number:	202	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Facility proposed for Confirmed Release List		
Admnstrtv Category:	Listing Action		
Comments:	Ltr received 12/18/92		
Start Date:	03DEC1992	Completion:	03DEC1992
Staff Number:	185	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Petition or request granted		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	16FEB1993	Completion:	18MAR1993
Staff Number:	107	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Site added to database		
Admnstrtv Category:	Administrative Action		
Comments:	Not reported		
Start Date:	15MAY1992	Completion:	31DEC3999
Staff Number:	202	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GALVANIZERS CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103842198

Administrative Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 12SEP1994

Staff Number: 283

Rank Value: 0

Region: Northwest

Completion: 08AUG1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Remedial Action recommended (RA)

Admnstrtv Category: Remedial Action

Comments: Not reported

Start Date: 08AUG1995

Staff Number: 283

Rank Value: 0

Region: Northwest

Completion: 08AUG1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Extension requested by owner/operator

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 26APR1996

Staff Number: 185

Rank Value: 0

Region: Head Quarters

Completion: 26APR1996

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Petition or request granted

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 30APR1996

Staff Number: 185

Rank Value: 0

Region: Head Quarters

Completion: 30APR1996

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Review for final listing

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 21AUG1996

Staff Number: 283

Rank Value: 0

Region: Northwest

Completion: 22AUG1996

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Listing on Confirmed Release List recommended

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 22AUG1996

Staff Number: 283

Rank Value: 0

Region: Northwest

Completion: 22AUG1996

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Facility placed on Confirmed Release List

Admnstrtv Category: Listing Action

Comments: Not reported

Start Date: 04OCT1996

Staff Number: 304

Rank Value: 0

Region: Head Quarters

Completion: 04OCT1996

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GALVANIZERS CO. (Continued)

S103842198

Administrative Action: SITE EVALUATION
Adminstrtv Category: Remedial Action
Comments: Not reported
Start Date: 13MAY1992
Staff Number: 202
Rank Value: 0
Region: Head Quarters

Completion: 14MAY1992
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Extension requested by owner/operator
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 29JAN1993
Staff Number: 107
Rank Value: 0
Region: Head Quarters

Completion: 29JAN1993
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Owner/operator comments received on listing notification
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 12FEB1993
Staff Number: 107
Rank Value: 0
Region: Head Quarters

Completion: 12FEB1993
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Owner/operator comments received on listing notification
Adminstrtv Category: Listing Action
Comments: Not reported
Start Date: 14AUG1996
Staff Number: 304
Rank Value: 0
Region: Head Quarters

Completion: 14AUG1996
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

OR CRL:

Facility ID: 1196
Current Program: Site Response Section

Contaminant: Groundwater

Substance: Soil
chromium
iron
lead
petroleum hydrocarbons
zinc

113
West
1/2-1
5113
Higher

PACO PUMPS
2551 NW 30TH AVE
PORTLAND, OR 97210

SHWS

S103706017
N/A

ECSI:

State ID Number: 146
Study Area: No
Cerclis ID: Not reported

Coordinator Supplier: Not reported
Tax Lots: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PACO PUMPS (Continued)

S103706017

Size:	Not reported	NPL:	Not reported
Orphan:	Not reported	ECFS Code:	Not reported
Lat/Long:	45.541 / 122.711	Tax Lots:	Not reported
Township Coord.:	1.00	Township Zone:	Not reported
Range Coord.:	1.00	Range Zone:	Not reported
Section Coord.:	0	Qtr Section:	Not reported

Substance: OIL - LUBRICATING
Quant. Released: Not reported
Date: Not reported

Substance: PCB 1254
Quant. Released: Not reported
Date: Not reported

Substance: PCB 1260
Quant. Released: Not reported
Date: Not reported

Alias Name: Not reported

Text: Sample result from 7/95 confirmation sampling in area of 1987 removal

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Not reported

Release Desc.: General Comments

Text: Earth Tech 8/9/95 report

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

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Release Desc.: Data Sources

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Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Release Desc.: Data Sources

Text: Not reported

Sampling Start: Not reported Sampling End: Not reported

Sample Depth: Not reported

Sampling Result: Not reported

Obsrvtn Indicator: Not reported

Owner/Operator: Not reported

Lab Data Indicator: Not reported

Medium Description: Not reported

Minimum Concentration Valve: Not reported

Maximum Concentration Valve: Not reported

Investigation Status: Suspect Site - Needs Investigation

Contamination:

(12/31/95 GMW/SAS) Site evaluation and remediation work initiated by Paco Pumps in 1987 turned up oil-range hydrocarbons and PCBs; at low levels; in soils along the back (west) side of the building. Paco accepted responsibility for the oil & grease; since a test-pit discharge pipe had discharged

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PACO PUMPS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103706017

oil-contaminated water to the ground in this area. However; the company attributed the presence of PCBs to the rail lines that run along the back of the building. 1995 investigations at the site showed that PCBs above Oregon Soil Cleanup Standards remain along the west wall of the building; although generally at low levels. The highest level of petroleum hydrocarbons in this area appear to be associated with the rail right of way.

Data Sources:

Past practice files contained in ECSI #146; cleanup documentation prepared by Pegasus Environmental Services in 1987; review of cleanup activity and report on confirmation sampling from Earth Tech; 1995.

Hazardous Substance/Waste Types:

PCBs; petroleum hydrocarbons.

Manner of Release:

Release of oil-range hydrocarbons occurred prior to 1987 via a small-diameter PVC pipe that discharged a water and oil mixture from a pit that was used to test new pumps. The source and manner of release of PCBs are not known.

Site Ownership:

Paco Pumps is owned by Flow Technologies, Inc.; which in turn is a wholly-owned subsidiary of NEWFLO Corp. (Austin; TX).

Remedial Action:

(12/31/95 GMW/SAS) Beginning in August 1987; Paco Pumps removed a small area of petroleum-contaminated soil beneath the PVC pipe outfall and adjacent to the rail line that runs along the west side of the building. The removal was not well documented; and there is no evidence that the contractor; Pegasus Waste Management; collected confirmation samples. In addition; there was confusion over the source of PCBs in soil; since Paco has claimed that it never used PCBs in its operation. In May 1995; Paco hired Earth Tech to document past activities and determine if any further remediation were needed. Earth Tech sampled soils along the west side of the building and confirmed that the 1987 cleanup was successful in removing petroleum contamination; but this sampling also showed PCBs still present at low concentrations in the area. Paco joined the Voluntary Cleanup Program via a voluntary PA letter agreement in September 1995. VCP reviewed the file and concluded in November 1995 that further investigation of the PCB contamination was necessary before DEQ could issue an NFA letter. Based on this conclusion; Paco Pumps decided not to proceed with further investigation; and the VCP agreement was terminated on 12/31/95.

Party Identifier: 1958

Description: Not reported

Effective Date: Not reported

End Date: 31DEC3999

Party Comments: Not reported

Date Comments: Not reported

Operation ECK: Not reported

Operation Sequence: Not reported

Party Name: Not reported

Party Addr: Not reported

Phone: Not reported

Fax: Not reported

Legal Name: Not reported

Comments: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PACO PUMPS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103706017

Party Identifier:	10461		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	Responsible party notified re 11/88 Inventory listing		
Admnstrtv Category:	Listing Action		
Comments:	Not reported		
Start Date:	30NOV1988	Completion:	31DEC3999
Staff Number:	Not reported	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Site Screening recommended (EV)		
Admnstrtv Category:	Remedial Action		
Comments:	Not reported		
Start Date:	12FEB1994	Completion:	12FEB1994
Staff Number:	107	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	Site added to database		
Admnstrtv Category:	Administrative Action		
Comments:	Not reported		
Start Date:	12MAY1988	Completion:	31DEC3999
Staff Number:	123	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Head Quarters		
Administrative Action:	SITE EVALUATION		
Admnstrtv Category:	Remedial Action		
Comments:	State screening.		
Start Date:	16MAY1995	Completion:	31AUG1995
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PACO PUMPS (Continued)

S103706017

Administrative Action: Letter Agreement
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 11SEP1995
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 11SEP1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: INDEPENDENT CLEANUP
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01AUG1987
Staff Number: Not reported
Rank Value: 0
Region: Not reported
Completion: 31MAY1995
FRT Action Priority: Not reported
Agency: Not reported

Administrative Action: NEGOTIATIONS
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01SEP1995
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 11SEP1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: Site Investigation recommended (SI)
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 31DEC1995
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 31DEC1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

Administrative Action: PRELIMINARY ASSESSMENT EQUIVALENT
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 12SEP1995
Staff Number: 283
Rank Value: 0
Region: Northwest
Completion: 31DEC1995
FRT Action Priority: Not reported
Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported
ECPE Substance Code: Not reported
ESCE Code: Not reported
Comments: Not reported

114
SSE
1/2-1
5129
Higher

STAGES BUILDING
418 NW 11TH AVE
PORTLAND, OR 97209

UST
LUST
SHWS

U001150053
N/A

ECSI:

State ID Number: 1662
Study Area: No
Cercdis ID: Not reported
Size: Not reported
Orphan: Not reported
Lat/Long: 45.526 / 122.654
Township Coord.: 1.00
Coordinator Supplier: Not reported
Tax Lots: Not reported
NPL: Not reported
ECFS Code: Not reported
Tax Lots: Not reported
Township Zone: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STAGES BUILDING (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001150053

Range Coord.:	1.00	Range Zone:	Not reported
Section Coord.:	0	Qtr Section:	Not reported
Substance:	ACENAPHTHENE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	ANTHRACENE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	BENZO(a)PYRENE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	BENZO(ghi)PERYLENE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	FLUORENE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	NAPHTHALENE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	TETRACHLOROETHYLENE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	GASOLINE		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	DIESEL - FUEL OIL		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	TOTAL PETROLEUM HYDROCARBONS (TPH)		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	TRICHLOROETHANE;1;1;1-		
Quant. Released:	Not reported		
Date:	Not reported		
Substance:	TRIMETHYLBENZENE;1;2;4-		
Quant. Released:	Not reported		
Date:	Not reported		
Alias Name:	Not reported		
Text:	Not reported		
Release Desc.:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

STAGES BUILDING (Continued)

U001150053

Sampling Start:	Not reported	Sampling End:	Not reported
Sample Depth:	Not reported		
Sampling Result:	Not reported		
Obsrvtn Indicator:	Not reported		
Owner/Operator:	Not reported	Lab Data Indicator:	Not reported
Medium Description:	Not reported		
Minimum Concentration Valve:	Not reported		
Maximum Concentration Valve:	Not reported		
Investigation Status:	Suspect Site - Needs Investigation		
Party Identifier:	17273		
Description:	Not reported		
Effective Date:	Not reported	End Date:	31DEC3999
Party Comments:	Not reported		
Date Comments:	Not reported		
Operation ECKS:	Not reported	Operation Sequence:	Not reported
Party Name:	Not reported		
Party Addr:	Not reported		
Phone:	Not reported	Fax:	Not reported
Legal Name:	Not reported		
Comments:	Not reported		
Site Status:	Not reported		
Assoc Date:	Not reported		
Permit Number:	Not reported	Permit Type:	Not reported
Permit Agency:	Not reported		
Prmt Comments:	Not reported		
Common Name:	Not reported	Years/Operation:	Not reported
Operation Status:	Not reported	Most Recent FFlag:	Not reported
Oper. Comment:	Not reported		
Administrative Action:	SITE EVALUATION		
Admnstrty Category:	Remedial Action		
Comments:	Not reported		
Start Date:	07SEP1994	Completion:	02MAR1995
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		
Administrative Action:	Listing Review completed		
Admnstrty Category:	Listing Action		
Comments:	Not reported		
Start Date:	02MAR1995	Completion:	03MAR1995
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		
Administrative Action:	Proposal for Confirmed Release List recommended		
Admnstrty Category:	Listing Action		
Comments:	Not reported		
Start Date:	03MAR1995	Completion:	03MAR1995
Staff Number:	283	FRT Action Priority:	Not reported
Rank Value:	0	Agency:	Dept of Env. Quality
Region:	Northwest		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STAGES BUILDING (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001150053

Administrative Action: Long Term Care/Control recommended (OM)
Admnstrtv Category: Remedial Action
Comments: maintain protective barrier between subsurface contaminated soil and persons
who may occupy the site.
Start Date: 03MAR1995 Completion: 03MAR1995
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: NEGOTIATIONS
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 20MAR1995 Completion: 06JUN1995
Staff Number: 227 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action
Comments: Not reported
Start Date: 16MAR1995 Completion: 31DEC3999
Staff Number: 283 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: PRELIMINARY ASSESSMENT EQUIVALENT
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 15MAR1995 Completion: 15APR1995
Staff Number: 227 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: REMOVAL
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 20MAR1995 Completion: 06JUN1995
Staff Number: 227 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

Administrative Action: NO FURTHER STATE ACTION REQUIRED
Admnstrtv Category: Remedial Action
Comments: Not reported
Start Date: 01MAY1995 Completion: 06JUN1995
Staff Number: 227 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Northwest

ECSF Desc.: Not reported

ESCK Number: 1662
ECPE Substance Code: 83-32-9
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: 120-12-7
ESCE Code: SUMP
Comments: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

STAGES BUILDING (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001150053

ESCK Number: 1662
ECPE Substance Code: 50-32-8
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: 191-24-2
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: ECD169
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: 86-73-7
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: ECD173
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: 91-20-3
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: 127-18-4
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: ECD275
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: 71-55-6
ESCE Code: SUMP
Comments: Not reported

ESCK Number: 1662
ECPE Substance Code: 95-63-6
ESCE Code: SUMP
Comments: Not reported

LUST:

Facility ID: 26-92-0083
Clean Lead: Not reported
Closed Date: 26JUN1995

Region: North Western Region
Cleanup Start Date: 24MAR1992
Cleanup Completion: 23JUN1995

UST:

Facility ID: 10976
Facility Telephone: Not reported
Permittee Name: Not reported
Active Tanks: 3
Decommissioned Tanks: 0

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

115
East
1/2-1
5252
Higher

MASTER CHEMICAL INC.
642 N TILLAMOOK ST
PORTLAND, OR 97227

Database(s)

EDR ID Number
EPA ID Number

SHWS

S103842264
N/A

ECSI:

State ID Number: 1302

Study Area: No

Cerclis ID: Not reported

Size: Not reported

Orphan: Not reported

Lat/Long: 45.538 / 122.672

Township Coord.: 1.00

Range Coord.: 1.00

Section Coord.: 0

Substance: Not reported

Quant. Released: Not reported

Date: Not reported

Alias Name: M-Co; Incorporated

Text: Not reported

Release Desc.: Not reported

Sampling Start: Not reported

Sample Depth: Not reported

Sampling Result: Not reported

Obsrvtn Indicator: Not reported

Owner/Operator: Not reported

Medium Description: Not reported

Minimum Concentration Valve: Not reported

Maximum Concentration Valve: Not reported

Investigation Status: No Further Action

Party Identifier: 18965

Description: Not reported

Effective Date: Not reported

Party Comments: Not reported

Date Comments: Not reported

Operation ECKS: Not reported

Party Name: Not reported

Party Addr: Not reported

Phone: Not reported

Legal Name: Not reported

Comments: Not reported

Coordinator Supplier: EPA - Regional

Tax Lots: Not reported

NPL: Not reported

ECFS Code: Not reported

Tax Lots: Not reported

Township Zone: Not reported

Range Zone: Not reported

Qtr Section: Not reported

Sampling End: Not reported

Lab Data Indicator: Not reported

End Date: 31DEC3999

Operation Sequence: Not reported

Fax: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MASTER CHEMICAL INC. (Continued)

S103842264

Party Identifier: 18967
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported

End Date: 01JAN1988

Operation Sequence: Not reported

Fax: Not reported

Party Identifier: 18969
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported

End Date: 01JAN1972

Operation Sequence: Not reported

Fax: Not reported

Party Identifier: 18970
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported

End Date: 01JAN1962

Operation Sequence: Not reported

Fax: Not reported

Party Identifier: 18968
Description: Not reported
Effective Date: Not reported
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported
Legal Name: Not reported
Comments: Not reported

End Date: 01JAN1990

Operation Sequence: Not reported

Fax: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MASTER CHEMICAL INC. (Continued)

S103842264

Party Identifier: 19022
Description: Not reported
Effective Date: Not reported End Date: 31DEC3999
Party Comments: Not reported
Date Comments: Not reported
Operation ECKS: Not reported Operation Sequence: Not reported
Party Name: Not reported
Party Addr: Not reported
Phone: Not reported Fax: Not reported
Legal Name: Not reported
Comments: Not reported

Site Status: Not reported
Assoc Date: Not reported

Permit Number: Not reported Permit Type: Not reported
Permit Agency: Not reported
Prmt Comments: Not reported

Common Name: Not reported Years/Operation: Not reported
Operation Status: Not reported Most Recent F Lag: Not reported
Oper. Comment: Not reported

Administrative Action: No Further Remedial Action Planned under Federal program
Admnstrtv Category: EPA Led Action

Comments: Not reported
Start Date: 14SEP1984 Completion: 14SEP1984
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: EPA
Region: Not reported

Administrative Action: Site Screening recommended (EV)
Admnstrtv Category: Remedial Action

Comments: Not reported
Start Date: 12FEB1994 Completion: 12FEB1994
Staff Number: 107 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Administrative Action: EPA PA1/S11
Admnstrtv Category: EPA Led Action

Comments: State lead
Start Date: 30AUG1984 Completion: 14SEP1984
Staff Number: Not reported FRT Action Priority: Not reported
Rank Value: 0 Agency: EPA
Region: Not reported

Administrative Action: Site added to database
Admnstrtv Category: Administrative Action

Comments: Not reported
Start Date: 23JAN1993 Completion: 31DEC3999
Staff Number: 107 FRT Action Priority: Not reported
Rank Value: 0 Agency: Dept of Env. Quality
Region: Head Quarters

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MASTER CHEMICAL INC. (Continued)

S103842264

Administrative Action: SITE EVALUATION

Adminstrtv Category: Remedial Action

Comments: Not reported

Start Date: 18AUG1995

Staff Number: 271

Rank Value: 0

Region: Northwest

Completion: 23AUG1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: Site added to CERCLIS

Adminstrtv Category: EPA Led Action

Comments: Not reported

Start Date: 01JAN1983

Staff Number: Not reported

Rank Value: 0

Region: Not reported

Completion: 31DEC3999

FRT Action Priority: Not reported

Agency: EPA

Administrative Action: Listing Review completed

Adminstrtv Category: Listing Action

Comments: Not reported

Start Date: 23AUG1995

Staff Number: 271

Rank Value: 0

Region: Northwest

Completion: 23AUG1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

Administrative Action: NO FURTHER STATE ACTION REQUIRED

Adminstrtv Category: Remedial Action

Comments: Not reported

Start Date: 23AUG1995

Staff Number: 271

Rank Value: 0

Region: Northwest

Completion: 23AUG1995

FRT Action Priority: Not reported

Agency: Dept of Env. Quality

ECSF Desc.: Not reported

ESCK Number: Not reported

ECPE Substance Code: Not reported

ESCE Code: Not reported

Comments: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
COUNTY	S104226744	UNION STATION PARCEL 1	1100 TO 1300 NW 9TH AVE	97209	SHWS, OR VCS	
COUNTY	S104226449	ANDERSON BROTHERS PROPERTY	5275 / 5315 NW ST. HELENS RD	97210	SHWS	
COUNTY	S104226755	CITY OF PORTLAND OUTFALLS	BETWEEN RIVER MILES 3.5 AND 9.	97210	SHWS, OR VCS	
COUNTY	S104226608	UNION STATION - PARCEL B SOUTH	BETWEEN UNION STATION / NAIT	97209	SHWS, OR VCS	
COUNTY	S104226634	GROUNDWATER - NW 22ND AVE	2100 BLOCK NW 22ND AVE	97210	SHWS	
COUNTY	S104226619	UNION STATION AGRICULTURAL MARKET	NW NAITO PKWY	97209	SHWS	
COUNTY	S104226743	PGE - FOREST PARK PROPERTY	NW SAINT HELENS RD	97210	SHWS	
COUNTY	S104226754	V&K SERVICE	NW SAINT HELENS RD	97210	SHWS	
COUNTY	S104226658	SANTA FE PACIFIC PIPELINES - PORTL	6565 NW ST. HELENS RD (AND OTH	97210	SHWS	
COUNTY	S104226650	PORTLAND HARBOR SEDIMENTS	WILLAMETTE RIVER MILES 3.5 TO	97210	SHWS	
MULTNOMAH COUNTY	S103842512	MT. HOOD NF - SITE B	FOREST RD 1509		SHWS	
MULTNOMAH COUNTY	S103842511	MT. HOOD NF - BORROW PIT	FOREST RD 1509		SHWS	
MULTNOMAH COUNTY	S103816475	PACIFIC CARBIDE	S05T01NR01E		SWF/LF	
MULTNOMAH COUNTY	S103816481	VANCE PIT	S05T01SR03E		SWF/LF	
MULTNOMAH COUNTY	S103816466	CLOUDBURST, INC.	S10T01NR01E		SWF/LF	
MULTNOMAH COUNTY	S103816471	KNAPP'S	S10T01NR01E		SWF/LF	
MULTNOMAH COUNTY	S103816480	UNION AVE RECYCLE	S10T01NR01E		SWF/LF	
MULTNOMAH COUNTY	S103816472	LAND RECLAMATION	S11T01NR01E		SWF/LF	
MULTNOMAH COUNTY	S103816467	ESCO, WILLBRIDGE	S13T01NR01W		SWF/LF	
MULTNOMAH COUNTY	S103816476	PORTER W. YETT	S17T01NR02E		SWF/LF	
MULTNOMAH COUNTY	S103816477	PORTER W. YETT	S17T01NR02E		SWF/LF	
MULTNOMAH COUNTY	S103816468	HAYDEN IS.SLUDGE	S19T02NR01E		SWF/LF	
MULTNOMAH COUNTY	S103816470	H.G. LAVELLE	S28T01NR02E		SWF/LF	
MULTNOMAH COUNTY	S103816469	HIDDEN VALLEY	S29T02NR01W		SWF/LF	
MULTNOMAH COUNTY	S103816479	TROUTDALE PROC	S36T01NR03E		SWF/LF	
MULTNOMAH COUNTY	S103816474	OBRIST	S36T01NR03E		SWF/LF	
MULTNOMAH COUNTY	S103816473	MACADAM PROCESSNG	S39T01SR01E		SWF/LF	
MULTNOMAH COUNTY	S103842654	PACIFICORP. - SMALL SUBSTATIONS	SUBSTATIONS THROUGHOUT OREGON		SHWS, OR VCS	
PORTLAND	S102959453	METROPOLITAN HOMES - PETTIGROVE LO	NW PETTIGROVE BETWEEN NW 23RD	97209	LUST	26-90-0036
PORTLAND	S103841399	DOANE LAKE STUDY AREA	1N/1W/S13 / 12	97210	SHWS	
PORTLAND	S103842631	ODOT - SURPLUS PROPERTY	NW 22ND AVE AT YORK	97210	SHWS, OR VCS	
PORTLAND	S100453296	RIEDEL WASTE DISPOSAL SYSTEM	BETWEEN KILLINGSWORTH / COLUMB		SWF/LF, OR SPILLS	
PORTLAND	S104153921	TEXACO PRODUCT PIPELINE	4500 BLOCK NW FRONT AVE	97210	SHWS, OR CRL	2117
PORTLAND	S103842443	V.A. - COLUMBIA SOUTH SHORE WELLFIE	~ COLUMBIA R. TO NE COLUMBIA/S		SHWS	
PORTLAND	S103842499	WILLBRIDGE BULK FUEL AREA	NW DOANE AVE	97210	SHWS	
PORTLAND	1001485764	BENSON INDUSTRIES	1650 NW FRONT AVE STE 250	97209	RCRIS-SQG, FINDS	
PORTLAND	S100453134	ESCO SAUVIE ISLAND	SOUTH TIP OF SAUVIE ISLAND		SWF/LF	
PORTLAND	S103842340	UNION STATION - TRACK #5	UNION STATION	97209	SHWS, OR VCS	
PORTLAND	1001489544	NACCO MATERIALS HANDLING GROUP INC	2701 NW VAUGHN STE 900	97210	RCRIS-SQG, FINDS	
PORTLAND	S103841447	BURLINGTON NORTHERN - HUB CENTER	NW YEON	97210	SHWS	

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D007	CHROMIUM
D008	LEAD
D010	SELENIUM
D011	SILVER
D018	BENZENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 02/04/00

Date Made Active at EDR: 03/15/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/07/00

Elapsed ASTM days: 37

Date of Last EDR Contact: 11/08/99

DELISTED NPL: NPL Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/08/99

Date Made Active at EDR: 03/15/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/07/00

Elapsed ASTM days: 37

Date of Last EDR Contact: 11/08/99

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/14/00

Date Made Active at EDR: 03/15/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/02/00

Elapsed ASTM days: 13

Date of Last EDR Contact: 11/29/99

CERCLIS-NFRAP: No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 02/14/00

Date Made Active at EDR: 03/15/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/02/00

Elapsed ASTM days: 13

Date of Last EDR Contact: 11/29/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/07/99

Date Made Active at EDR: 10/28/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/13/99

Elapsed ASTM days: 45

Date of Last EDR Contact: 12/13/99

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 12/22/99

Date Made Active at EDR: 03/23/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/07/00

Elapsed ASTM days: 76

Date of Last EDR Contact: 01/03/00

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency System Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/06/00

Date Made Active at EDR: 02/08/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/31/00

Elapsed ASTM days: 8

Date of Last EDR Contact: 11/01/99

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/97

Database Release Frequency: Biennially

Date of Last EDR Contact: 12/20/99

Date of Next Scheduled EDR Contact: 03/20/00

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies

Database Release Frequency: Varies

Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/31/99

Database Release Frequency: Annually

Date of Last EDR Contact: 01/10/00

Date of Next Scheduled EDR Contact: 04/10/00

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/13/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/12/00
Date of Next Scheduled EDR Contact: 04/10/00

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/99
Database Release Frequency: Annually

Date of Last EDR Contact: 10/28/99
Date of Next Scheduled EDR Contact: 01/24/00

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/29/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/10/00
Date of Next Scheduled EDR Contact: 04/10/00

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/03/00
Date of Next Scheduled EDR Contact: 04/03/00

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/24/99
Date of Next Scheduled EDR Contact: 02/21/00

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/22/97
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/09/99
Date of Next Scheduled EDR Contact: 02/14/00

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/13/99
Date of Next Scheduled EDR Contact: 03/13/00

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 12/27/99

Date of Next Scheduled EDR Contact: 03/27/00

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/94

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 01/03/00

Date of Next Scheduled EDR Contact: 04/24/00

STATE OF OREGON ASTM STANDARD RECORDS

ECSI: Environmental Cleanup Site Information System

Source: Department of Environmental Quality

Telephone: 503-229-6629

Sites that are or may be contaminated and may require cleanup.

Date of Government Version: 11/05/99

Date Made Active at EDR: 01/11/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/28/99

Elapsed ASTM days: 14

Date of Last EDR Contact: 12/22/99

LF: Solid Waste Facilities List

Source: Department of Environmental Quality

Telephone: 503-229-6299

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/31/99

Date Made Active at EDR: 06/16/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/17/99

Elapsed ASTM days: 30

Date of Last EDR Contact: 02/17/00

LUST: LUST Database List

Source: Department of Environmental Quality

Telephone: 503-229-5790

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/23/99

Date Made Active at EDR: 12/27/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/13/99

Elapsed ASTM days: 14

Date of Last EDR Contact: 12/08/99

UST: UST Database

Source: Department of Environmental Quality

Telephone: 503-229-5815

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 12/07/99

Date Made Active at EDR: 12/27/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/13/99

Elapsed ASTM days: 14

Date of Last EDR Contact: 12/08/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF OREGON ASTM SUPPLEMENTAL RECORDS

SPILLS: Spill Data

Source: Department of Environmental Quality
Telephone: 503-229-5731

Date of Government Version: 12/03/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/06/99
Date of Next Scheduled EDR Contact: 03/06/00

CRL: Confirmed Release List and Inventory

Source: Department of Environmental Quality
Telephone: 503-229-6170
All facilities with a confirmed release.

Date of Government Version: 02/01/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/02/00
Date of Next Scheduled EDR Contact: 05/01/00

VCS: Voluntary Cleanup Program Sites

Source: DEQ
Telephone: 503-229-5256

Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

Date of Government Version: 12/31/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/08/00
Date of Next Scheduled EDR Contact: 05/08/00

HAZMAT: Hazmat/Incidents

Source: State Fire Marshal's Office
Telephone: 503-373-1540

Hazardous material incidents reported to the State Fire Marshal by emergency responders. The hazardous material may or may not have been released.

Date of Government Version: 06/23/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/29/99
Date of Next Scheduled EDR Contact: 02/28/00

HSIS: Hazardous Substance Information Survey

Source: State Fire Marshal's Office
Telephone: 503-373-1540

Companies in Oregon submitting the Hazardous Substance Information Survey and either reporting or not reporting hazardous substances.

Date of Government Version: 10/05/99
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/06/99
Date of Next Scheduled EDR Contact: 03/06/00

EDR PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HISTORICAL AND OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

Water Dams: National Inventory of Dams

Source: Federal Emergency Management Agency

Telephone: 202-646-2801

National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GRAPHIC ARTS CENTER
2000 NW WILSON STREET
PORTLAND, OR 97209

TARGET PROPERTY COORDINATES

Latitude (North):	45.537899 - 45° 32' 16.4"
Longitude (West):	122.691399 - 122° 41' 29.0"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	524094.5
UTM Y (Meters):	5042536.0

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-97, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2445122-E6 PORTLAND, OR WA
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: Undeterminable

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
MULTNOMAH, OR

FEMA Q3 Flood
Data Electronic Coverage
YES

Flood Plain Panel at Target Property:
Additional Panels in search area:

4101830035D / CBPP
4101830020D / CBPP

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
PORTLAND

NWI Electronic
Coverage
YES

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

AQUIFLOW™

Search Radius: 2.000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u>	<u>GENERAL DIRECTION</u>
	<u>FROM TP</u>	<u>GROUNDWATER FLOW</u>
Not Reported		

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Geologic Code: Q
Era: Cenozoic
System: Quaternary
Series: Quaternary

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information						
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)
	Upper	Lower		AASHTO Group	Unified Soil	
1	0 inches	15 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20
2	15 inches	39 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20
3	39 inches	60 inches	stratified	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy fine sand
fine sandy loam
sand
silty clay loam
loam
gravelly - loam

Surficial Soil Types: loamy fine sand
fine sandy loam
sand
silty clay loam
loam
gravelly - loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: gravelly - sand
loamy fine sand
fine sandy loam
silty clay
very gravelly - loamy coarse sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-97, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	453227122414801	1/4 - 1/2 Mile NW
3	453129122413601	1/2 - 1 Mile South
4	453251122422301	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	OR00001391	1/2 - 1 Mile SSW

-
- A horizontal number line is shown with tick marks at 0, 1/2, 1, and 2 Miles. The segment between 1/2 and 1 is shaded with a thick black line.

CUSTOMER: ATC Associates Inc.
CONTACT: Darin Wirth
INQUIRY #: 1483291.1p
DATE: April 10, 2000 4:56 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NW
1/4 - 1/2 Mile
Higher

FED USGS 453227122414801

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1946	County:	Multnomah
Altitude:	32.00 ft.	State:	Oregon
Well Depth:	395.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	32.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	08011946	Prim. Use of Water:	Industrial

2
SSW
1/2 - 1 Mile
Higher

OR WELLS OR00001391

Well ID:	Not Reported	Certificate Number:	33767
Application Number:	G 2615	Point of Division Num.:	1
Permit Number:	G 2427	Section:	33
Map Name:	1.00N 1.00E	Use:	IR
Source:	Not Reported	Station:	0
List:	0	Y Coordinate:	0
X Coordinate:	0	Longitude:	0
Latitude:	0	Data Source:	Not Reported
Aquifer Type:	Not Reported	Altitude:	0
Water Use:	Not Reported	Depth:	0
Well Type:	Not Reported	County Code:	Not Reported
Description:	Not Reported		
Water Level:	0		
Well:	0		

3
South
1/2 - 1 Mile
Higher

FED USGS 453129122413601

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1946	County:	Multnomah
Altitude:	125.00 ft.	State:	Oregon
Well Depth:	563.00 ft.	Topographic Setting:	Hillside (slope)
Depth to Water Table:	103.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	11031978	Prim. Use of Water:	Industrial

4
NW
1/2 - 1 Mile
Higher

FED USGS 453251122422301

BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1962	County:	Multnomah
Altitude:	30.00 ft.	State:	Oregon
Well Depth:	574.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	30.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Industrial

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Radon Zone for MULTNOMAH County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

MULTNOMAH COUNTY, OR

Number of sites tested: 33

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area	1.530 pCi/L	91%	9%	0%
Basement	2.630 pCi/L	57%	43%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOWTM Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

APPENDIX D
SUPPORTING DOCUMENTS

ATC RECORD OF VERBAL COMMUNICATION

DATE: 4/21/00

PHONE NO. (503) 684-0525 FAX NO. (503) 624-0415

PROJECT NO./SITE

TO: KEN METRO

FROM:

SUBJECT: RERIS VIOLATION

- KEN STATED THAT CITATIONS WERE WRITTEN DURING AN ANNUAL DEQ INSPECTION IN 97. THE LDR'S WERE NOT FILED BY HIS PREDECESSOR. KEN SAID HE IMMEDIATELY FILED THE RECORDS THAT DAY AND BROUGHT THEM TO CURRENT STATUS.

- SILVER RECOVERY IS PERFORMED BY SAFETY-KLEN ONCE A MONTH.

- 4 SILVER PROCESSORS.

**OFFICE OF
STATE FIRE
MARSHAL****Oregon
State Police****FAX****Date** *APRIL 18, 2000***Number of pages including cover sheet** *3***TO:** *DARIN WIRTH
ATC ASSOCIATES***Phone****Fax Phone****CC:****FROM:** *Angela Johnson
Office of State Fire Marshal
4760 Portland Rd NE
Salem OR 97305-1760***Phone** *(503) 373-1540 ext. 353***Fax Phone** *(503) 373-1825***Oregon State Fire Marshal's Network**☐ **To: Fire Defense Board Chiefs** **CC: OSFM Deputies*****Urgent network messages will also be sent by teletype to dispatch centers*****REMARKS:** ☐ *Urgent* ☐ *For your review* ☐ *Reply ASAP* ☐ *Please Comment***HERE IS THE INFORMATION THAT YOU REQUESTED, IF YOU HAVE ANY QUESTIONS PLEASE
GIVE ME A CALL AT THE ABOVE NUMBER. —Angela Johnson**

Should you encounter difficulties with this transmission, please call (503) 378-3473

* * * * PUBLIC REPORT * * * *

Office of State Fire Marshal
4760 Portland Road NE, Salem Oregon 97305-1760
(503) 378-3473 FAX (503) 373-1825

File Number: 001054

Company Name: GRAPHIC ARTS CENTER

Number of Employees: 450

Mailing Address:

2000 NW WILSON ST
PORTLAND
OR 97209

Location Address:

2000 NW WILSON ST
PORTLAND
OR 97209

Manager Name: DAVE WEBBER

Reportable Qntys: YES

Business Phone: 503-224-7777

EHS Chemicals: NO

SIC Code 2752 COMMERCIAL PRINTING, LITHOGRAPHIC

Chemical Name 112r (P=pure/M=mix/N=no)	313	Maximum on Site	Hazard Classification Unit of Measure Container
AQUEOUS COATING			COMBUSTIBLE MATERIALS
N	No	500-999	GALLONS FIBER DRUM
FILM CLEANER			FLAMMABLE LIQ.(0F<FP<73F)
N	No	50-199	GALLONS PLASTIC BOTTLES OR JUGS
FIXER			CORROSIVES
N	No	50-199	GALLONS PLASTIC BOTTLES OR JUGS
ISOPROPYL ALCOHOL			FLAMMABLE LIQ.(0F<FP<73F)
N	Yes	200-499	GALLONS STEEL DRUM
PDI DEVELOPER			
	No	50-199	GALLONS PLASTIC BOTTLES OR JUGS
PROPANE			FLAMMABLE GASES
P	No	50-199	GALLONS ABOVEGROUND TANK
ETCH			CORROSIVES
N	No	50-199	GALLONS PLASTIC OR NON-METALLIC DRUM
SHEETFEED BLANKET WASH			
	No	1,000-4,999	GALLONS UNDERGROUND TANK
SHEETFEED FOUNTAIN SOLUTION			
	No	50-199	GALLONS FIBER DRUM
SHEETFEED OFFSET PRINTING INK			COMBUSTIBLE MATERIALS
N	No	1,000-4,999	GALLONS STEEL DRUM
USED OIL			COMBUSTIBLE MATERIALS
N	No	200-499	GALLONS STEEL DRUM
UV CURABLE COATINGS			REACTIVE MATERIAL
N	No	1,000-4,999	GALLONS STEEL DRUM
VIDEO JET			
N	No	50-199	GALLONS STEEL DRUM
WEB BLANKET WASH			
	No	1,000-4,999	GALLONS UNDERGROUND TANK
WEB FOUNTAIN SOLUTION			
	No	1,000-4,999	GALLONS FIBER DRUM

ID Number: 001054

04/18/00 TUE 15:55 FAX 503 373 1825

OR.ST.FIRE MARSHAL

0003

WEB OFFSET HEATSET PRINTING INK

N

No 50,000-99,999

MISC.HAZ. MATERIALS

GALLONS

STEEL DRUM

ID Number: 001054

PHSS-Sec 41 - 0218

26-89-305

Oregon

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

OFFICE OF ENVIRONMENTAL QUALITY
RECEIVED

NOV 05 1992

NORTHWEST REGION

November 3, 1992

Ms. Laurie Buckman
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501-1395

Re: Consolidated Freightways
2050 N. W. Quimby Avenue
Portland, OR

Dear Ms. Buckman:

I have reviewed the Blymyer report entitled "Phase I Subsurface Investigation". This report indicates that in the past there was a release of a hazardous substance at the Consolidated Freightways facility located at 2050 N. W. Quimby Avenue in Portland, Oregon. This report indicates that soil and groundwater contamination exist at this site.

The scope of the investigation for this site has grown beyond the role that the Underground Storage Tank (UST) Cleanup Section has in these matters as a release of chlorinated solvents appears to have impacted groundwater. The information from this site will be referred to the Environmental Cleanup Division's Site Assessment Section. The Site Assessment Section investigates and assesses situations which involve environmental contamination.

Sites that are received by the Site Assessment Section are scored based on the potential environmental threat that the site may represent. The time frame in which the Site Assessment Section addresses your site will depend on the total number of sites that must be evaluated and the priority of your site.

You have a number of options available to you at this time:

1. The first option is to wait until the Site Assessment Section gets to your site and deal with any required assessment and/or cleanup at that time.
2. The second option is to assess and/or cleanup the site without the oversight of the Department. This would entail conducting the assessment and/or cleanup and keeping records of the whole process for the Department to review at a future date.



811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TDD (503) 229-6993

PHSS-Sec 41 - 0219

Laurie Buckman
November 3, 1992
Page 2

3. The final option is to assess and/or clean up the site under the Department's Voluntary Cleanup Program. This program involves the cleanup and/or assessment of sites in which the Responsible Party pays the cost for Departmental oversight of the process. I have included information on the Department's Voluntary Cleanup Program.

Should your site, based on the information available to us now, be scored a high priority from either an environmental or public health standpoint, the Department's involvement throughout the process will likely be necessary.

Please contact me at (503) 229-6793 if you have any questions.

Sincerely,



Michael A. Fernandez
Sr. Environmental Engineer
UST Cleanup Section
Environmental Cleanup Division

MAF:m
LUST\SM4785
cc: Site Assessment Section
Voluntary Cleanup Section



March 4, 1996

Mr. John Carson
Carson Oil Co.
P.O. Box 10948
Portland, OR 97210

DEPARTMENT OF
ENVIRONMENTAL
QUALITY
NORTHWEST REGION

Re: Carson Oil Co.
Portland, Oregon
Multnomah County
ECSI #1405

Dear Mr. Carson:

As Tom Bispham notified you in a letter dated September 6, 1995, the Department of Environmental Quality (DEQ) has completed a preliminary evaluation of the Columbia American Plating (CAP) site at 3003 NW 35th Ave., and has determined that this site is not a high priority for agency action. At this time, we wish to inform you that DEQ has reviewed the file for the adjacent Carson Oil Co. property at 3125 NW 35th Ave. A Level II evaluation of the Carson Oil site, which was completed in 1992, indicated areas of groundwater contamination beneath the property, as well as areas of surface petroleum staining. At this time, DEQ believes that surface and groundwater contamination may still exist at the site, although the source of groundwater contamination is not clear, since it could have migrated onto Carson Oil from CAP or some other off-site location.

This information will be added to DEQ's Environmental Cleanup Site Information (ECSI) database via DEQ's Site Assessment Program. The Site Assessment Program investigates properties with known or potential environmental contamination, and assigns high, medium, or low priorities to properties based on the potential threat(s) they pose to human health and the environment. Based on its preliminary review of site data, Site Assessment has assigned a low priority for follow-up action at the Carson Oil site, because there are many other sites that appear to present more significant risks to human health and the environment. In any case, DEQ wishes to offer Carson Oil the following three options for further action at this site:

1. Take no action, and wait for DEQ to evaluate in more detail the potential for this site to affect public health or the environment. DEQ will track its costs for any time spent on such an evaluation, and will recover these costs if remedial action is needed or if any remedial action has already occurred.

John A. Kitzhaber
Governor



2020 SW Fourth Avenue,
Suite 400
Portland, OR 97201-498
(503) 229-5263 Voice
TTY (503) 229-5471
DEQ-1

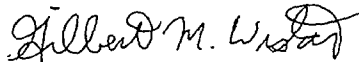
Mr. John Carson
March 4, 1996
Page 2

2. Perform further assessment and/or cleanup of the site under DEQ's Voluntary Cleanup Program (VCP). In the VCP, you pay an initial deposit to cover DEQ's anticipated oversight costs. At project completion, you will be invoiced if total costs exceed the initial deposit, or reimbursed if total costs are less than the deposit. With this option, owners and operators obtain DEQ oversight quickly and may continue without delay towards a DEQ "no further action" determination.
3. Perform further assessment and/or cleanup of the site independently. Should you choose this option, we recommends keeping detailed records of your activities and submitting those records to DEQ. Then, in accordance with its priorities, DEQ will determine whether further action is needed. DEQ will track its costs in reviewing your records and will recover those costs if DEQ determines that further action is needed to protect public health or the environment from on-site releases of hazardous substances. Costs will be recovered from persons liable under Oregon Revised Statutes (ORS) 465.255.

If you wish DEQ oversight on the assessment/cleanup of your site, the Voluntary Cleanup Program may be your most expedient choice. New Voluntary Cleanup projects are initiated as soon as resources become available.

Please contact me at (503) 229-5512, if you have any questions about this letter. Inquiries about the Voluntary Cleanup Program may be directed to (503) 229-6361.

Sincerely,

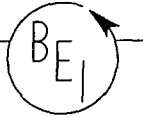


Gil Wistar, Site Assessment Specialist
DEQ Northwest Region

cc: Heather Schijf, Coordinator, Site Assessment Program
Voluntary Cleanup Program Representative
ECSI file #1405

BLYMYER

ENGINEERS, INC.



December 13, 1989
BEI # 89519

Mr. Andree Pollock
Department of Environmental Quality
811 S.W. 6th Street
Portland, OR 97202

Subject: Tank Removal
CF, 2050 N.W. Quimby, Portland, Oregon 97209

Dear Mr. Pollock:

In accordance with your request, BEI is submitting the following report on the subject site. The purpose of the work was to remove one underground storage tank. The work was conducted as follows.

Tank Removal

On October 30, 1989 one waste oil underground storage tank (approximately 500 gallon capacity) was removed from the subject site by Petroleum Equipment Maintenance Company (PEMCO). A concrete manway, constructed in three pieces, was attached to the top of the tank. The tank was buried thirteen feet below grade level adjacent to a building. To stabilize the excavation, excavated soil was stockpiled in the excavation. The excavation is covered with plastic.

A representative of BEI was present during the removal and obtained two soil samples. Contamination was visible in the excavation around where the samples were taken. Groundwater was not present in the excavation. The samples were sent to NET/Pacific and analyzed for Oil and Grease (Extractable Petroleum Hydrocarbons by EPA method #418.1), Halogenated Volatile Organics (EPA method #8010) and EP Toxicity for the metals lead, cadmium, chromium and zinc.

As expected, petroleum hydrocarbons were found in both soil samples in concentrations of 14,000 ppm in sample S-1 and 6,200 in sample S-2. The EP Toxicity analysis showed leachable zinc (0.70 ppm in sample S-1 and 0.40 ppm in sample S-2). No other metals were detected. Halogenated volatile organics analysis showed tetrachloroethene (7.6 ppb and 25 ppb for samples S-1 and S-2, respectively).

Site Characterization

Blymyer Engineers is negotiating the installation of three monitoring wells per the BID SPECIFICATION as attached. The contract will be awarded according to the SCOPE OF WORK as attached. Soil and water samples will be analyzed for the parameters listed above as well as for benzene, toluene, total

Mr. Andree Pollock
Department of Environmental Quality
December 13, 1989
Page 2

BEI # 89519

xylenes and ethylbenzene (EPA method #8020) on a 48 hour turn-around time. You will be notified when this work will commence.

Corrective Action

Depending upon the direction of groundwater flow direction and the levels of contamination, a prudent remedial solution will be implemented. If free floating product is encountered, the monitoring wells will be converted into recovery wells and further actions at this site will be reviewed with the DEQ.

BEI will cooperate with the DEQ fully to ensure a timely and cost effective solution.

Cordially,
Blymyer Engineers, Inc.



Richard Riedl
UST Manager

enclosures:

NET/Pacific Lab Results dated 11/20/89.
Monitoring Well Installation, Bid Specifications
Monitoring Well Installation, Scope of Work
Monitoring Well Installation, Site Plan

cc: Ben Encisco, CF MPK

BLYMYER ENGINEERS, INC.

PHSS-Sec 41 - 0224

Section 2.0 Owner/Operator Information (NW Nela Street)

4. Identify each and every Property that Respondent currently owns, leases, operates on, or otherwise is affiliated or historically has owned, leased, operated on, or otherwise been affiliated with within the Investigation Area during the period of investigation (1937 – Present). Please note that this question includes any aquatic lands owned or leased by Respondent.

Response: GAC operated a mailing facility on NW Nela Street in the early-to-mid 1980s. Apparently the mailing operation outgrew the Nela Street facility and was moved to the Swan Island facility in the mid-1980s.

5. Provide a brief summary of Respondent's relationship to each Property listed in response to Question 4 above, including the address, Multnomah County Alternative Tax lot Identification number(s), dates of acquisition, period of ownership, lease, operation, or affiliation, and a brief overview of Respondent's activities at the Properties identified.

Response: Cenveo has been able to discover little information about the property, other than the fact that GAC operated a mailing facility there. The employee that recalled that GAC used the facility thought that it might have been used during the time frame shortly before the addition was built onto the main facility in the 1982 to 1985 time frame, but he was not certain that this time frame is accurate. This is consistent with information that GAC outgrew the Nela Street facility in the early-to-mid 1980s.

6. Identify any persons who concurrently with you exercises or exercised actual control or who held significant authority to control activities at each Property, including:
- partners or joint venturers;
 - any contractor, subcontractor, or licensor that exercised control over any materials handling, storage, or disposal activity on the Property; (service contractors, remediation contractors, management and operator contractors, licensor providing technical support to licensed activities);
 - any person subleasing land, equipment or space on the Property;
 - utilities, pipelines, railroads and any other person with activities and/or easements regarding the Property;
 - major financiers and lenders;
 - any person who exercised actual control over any activities or operations on the Property;
 - any person who held significant authority to control any activities or operations on the Property;

- h. any person who had a significant presence or who conducted significant activities at the Property; and
- i. any government entities that had proprietary (as opposed to regulatory) interest or involvement with regard to the activity on the Property.

Response: Cenveo has no knowledge regarding who had control over any portion of the Property.

7. Identify and describe any legal or equitable interest that you now have, or previously had in each Property. Include information regarding the nature of such interest; when, how, and from whom such interest was obtained; and when, how, and to whom such interest was conveyed, if applicable. In addition, submit copies of all instruments evidencing the acquisition or conveyance of such interest (e.g., deeds, leases, purchase and sale agreements, partnership agreements, etc.).

Response: Cenveo has located no information responsive to Request No. 7. However, please see the Response to Request 20, below.

8. If you are the current owner and/or current operator, did you acquire or operate the Property or any portion of the Property after the disposal or placement of hazardous substances, waste, or materials on, or at the Property? Describe all of the facts on which you base the answer to this question.

Response: Cenveo is neither the current owner nor a current operator of the property at the NW Nela location.

9. At the time you acquired or operated the Property, did you know or have reason to know that any hazardous substance, waste, or material was disposed of on, or at the Property? Describe all investigations of the Property you undertook prior to acquiring the Property and all of the facts on which you base the answer to this question.

Response: Cenveo has located no information responsive to Request No. 9.

10. Identify all prior owners that you are aware of for each Property identified in Response to Question 4 above. For each prior owner, further identify if known, and provide copies of any documents you may have regarding:

- a. the dates of ownership;
- b. all evidence showing that they controlled access to the Property; and
- c. all evidence that a hazardous substance, pollutant, or contaminant, was released or threatened to be released at the Property during the period that they owned the Property.

Response: Cenveo has located no information responsive to Request No. 10.

11. Identify all prior operators of the Property, including lessors, you are aware of for each Property identified in response to Question 4 above. For each such operator, further identify if known, and provide copies of any documents you may have regarding:

- a. the dates of operation;

- b. the nature of prior operations at the Property;
- c. all evidence that they controlled access to the Property; and
- d. all evidence that a hazardous substance, pollutant, or contaminant was released or threatened to be released at or from the Property during the period that they were operating the Property.

Response: Cenveo has located no information responsive to Request No. 11.

12. If not included in response to any of the previous questions, please describe the purpose and duration of each aquatic lands lease Respondent or the operator of Respondent's Property(ies) ever obtained from the State of Oregon and provide a copy of each application for and aquatic lands lease obtained.

Response: This Request is not applicable since no properties on NW Nela Street qualify as aquatic lands.

Section 3.0 Description of Each Property

13. Provide the following information about each Property identified in response to Question 4:

- a. property boundaries, including a written legal description;
- b. location of underground utilities (telephone, electrical, sewer, water main, etc.);
- c. location of all underground pipelines whether or not owned, controlled or operated by you;
- d. surface structures (e.g., buildings, tanks, pipelines, etc.);
- e. over-water structures (e.g., piers, docks, cranes, etc.);
- f. dry wells;
- g. treatment or control devices (e.g., surface water, air, groundwater, Resource Conservation and Recovery Act (RCRA), Transfer, Storage, or Disposal (TSD), etc.);
- h. groundwater wells, including drilling logs;
- i. storm water drainage system, and sanitary sewer system, past and present, including septic tank(s) and where, when and how such systems are emptied and maintained;
- j. subsurface disposal field(s), Underground Injection Control (UIC) wells, and other underground structures (e.g., underground storage tanks (USTs); and where they are located, if they are still used, and how they were closed;
- k. any and all major additions, demolitions or changes on, under or about the Property, its physical structures or to the property itself (e.g., stormwater drainage, excavation work); and any planned additions, demolitions or other changes to the Property;
- l. all maps and drawings of the Property in your possession; and
- m. all aerial photographs of the Property in your possession.

Response: Cenveo has located no information responsive to Request No. 13.

14. For Properties adjacent to the Willamette River, provide specific information describing the river-ward boundary of private ownership and where state aquatic lands and/or state-management jurisdiction begins. Provide a map that delineates the river-ward boundary of each Property.

Response: Properties on NW Nela Street are not adjacent to the Willamette River.

15. For each Property, provide all reports, information or data you have related to soil, water (ground and surface), or air quality and geology/hydrogeology at and about each Property. Provide copies of all documents containing such data and information, including both past and current aerial photographs as well as documents containing analysis or interpretation of such data.

Response: Cenveo has located no information responsive to Request No. 15.

16. Identify all past and present solid waste management units or areas where materials are or were in the past managed, treated, or disposed (e.g., waste piles, landfills, surface impoundments, waste lagoons, waste ponds or pits, tanks, container storage areas, etc.) on each Property. For each such unit or area, provide the following information:

- a. a map showing the unit/area's boundaries and the location of all known units/areas whether currently in operation or not. This map should be drawn to scale, if possible, and clearly indicate the location and size of all past and present units/areas;
- b. dated aerial photograph of the site showing each unit/area;
- c. the type of unit/area (e.g., storage area, landfill, waste pile, etc.), and the dimensions of the unit/area;
- d. the dates that the unit/area was in use;
- e. the purpose and past usage (e.g., storage, spill containment, etc.);
- f. the quantity and types of materials (hazardous substances and any other chemicals) located in each unit/area; and
- g. the construction (materials, composition), volume, size, dates of cleaning, and condition of each unit/area.

Response: Cenveo has located no information responsive to Request No. 16.

17. If the unit/area described above is no longer in use, how was such unit/area closed and what actions were taken to prevent or address potential or actual releases of waste constituents from the unit/area.

Response: Cenveo has located no information responsive to Request No. 17.

18. For each Property, provide the following information regarding any current or former sewer or storm sewer lines or combined sanitary/storm sewer lines, drains, ditches, or tributaries discharging into the Willamette River:
- the location and nature of each sewer line, drain, ditch, or tributary;
 - the date of construction of each sewer line, drain, ditch, or tributary;
 - whether each sewer line, or drain was ever connected to a main trunk line;
 - whether each sewer line, drain, ditch, or tributary drained any hazardous substance, waste, material or other process residue to the Willamette River; and
 - provide any documentation regarding but not limited to the following on any and all outfalls to the Willamette River which are located within the boundaries of the Property(ies). Your response should include, but not be limited to:
 - the areas serviced by the outfalls; and
 - the type of outfall (i.e., storm water or single facility operational).

Response: Cenveo has located no information responsive to Request No. 18.

19. Provide copies of any stormwater or property drainage studies, including data from sampling, conducted at these Properties on stormwater, sheet flow, or surface water runoff. Also provide copies of any Stormwater Pollution Prevention, Maintenance Plans, or Spill Plans developed for different operations during the Respondent's operation of each Property.

Response: Cenveo has located no information responsive to Request No. 19.

Section 4.0 Respondent's Operational Activities

20. Describe the nature of your operations or business activities at each Property. If the operation or business activity changed over time, please identify each separate operation or activity, the dates when each operation or activity was started and, if applicable, ceased.

Response: After bringing the NW Nela Street facility up to some of the long-term Graphic Arts employees, several of the employees recalled that the NW Nela Street facility was a mailing facility. This would generally mean that completed printing projects were staged at the facility, then sent to the post office for mailing. While none of the employees was certain, because of the short time period that Graphic Arts used the facility, the assumption was that such use was pursuant to some type of short term rental or lease arrangement.

21. At each Property, did you ever use, purchase, generate, store, treat, dispose, or otherwise handle any waste, or material? If the answer to the preceding question is anything but an unqualified "no," identify:
- in general terms, the nature and quantity of the waste or material so transported, used, purchased, generated, stored, treated, disposed, or otherwise handled;

- b. the chemical composition, characteristics, physical state (e.g., solid, liquid) of each waste or material so transported, used, purchased, generated, stored, treated, disposed, or otherwise handled;
- c. how each such waste or material was used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you; and
- d. the quantity of each such waste or material used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you.

Response: Cenveo has located no information responsive to Request No. 21.

22. Describe all activities at each Property that was conducted over, on, or adjacent to, the Willamette River. Include in your description whether the activity involved hazardous substances, waste(s), or materials and whether any such hazardous substances, waste(s), or materials were discharged, spilled, disposed of, dropped, or otherwise came to be located in the Willamette River.

Response: This Request is not applicable since no properties on NW Nela Street are over, on or adjacent to the Willamette River.

23. For each Property at which there was or is a mooring facility, dock, wharf or any over-water structure, provide a summary of over-water activities conducted at the structure, including but not limited to, any material loading and unloading operations associated with vessels, materials handling and storage practices, ship berthing and anchoring, ship fueling, and ship building, retrofitting, maintenance, and repair.

Response: This Request is not applicable since no properties on NW Nela Street are over, on or adjacent to the Willamette River.

24. Describe all activities conducted on leased aquatic lands at each Property. Include in your description whether the activity involved hazardous substances, waste(s), or materials and whether any such hazardous substances, waste(s), or materials were discharged, spilled, disposed of, dropped, or otherwise came to be located on such leased aquatic lands.

Response: This Request is not applicable since no properties on NW Nela Street qualify as aquatic lands.

25. Please describe the years of use, purpose, quantity, and duration of any application of pesticides or herbicides on each Property during the period of investigation (1937 – present). Provide the brand name of all pesticides or herbicides used.

Response: Cenveo has located no information responsive to Request No. 25.

26. Describe how wastes transported off the Property for disposal are and ever were handled, stored, and/or treated prior to transport to the disposal facility.

Response: It is doubtful that any waste other than MSW-type waste would have been generated at this facility, since this facility served as only a mailing

facility. In any event, Cenveo has located no information expressly responsive to Request No. 26.

27. Has Respondent ever arranged for disposal or treatment or arranged for transportation for disposal or treatment of materials to any Property (including the Willamette River) within the Investigation Area? If so, please identify every Property that Respondent's materials were disposed or treated at in the Investigation Area. In addition, identify:
- a. the persons with whom the Respondent made such arrangements;
 - b. every date on which Respondent made such arrangements;
 - c. the nature, including the chemical content, characteristics, physical state (e.g., solid, liquid), and quantity (volume and weight) of all materials involved in each such arrangement;
 - d. in general terms, the nature and quantity of the non- hazardous materials involved in each such arrangement;
 - e. in general terms, the nature and quantity of any hazardous materials involved in each such arrangement;
 - f. the owner of the materials involved in each such arrangement, if not Respondent;
 - g. all tests, analyses, analytical results or manifests concerning each hazardous material involved in such transactions;
 - h. the address(es) for each Property, precise locations at which each material involved in such transactions actually was disposed or treated;
 - i. the owner or operator of each facility at which hazardous or non-hazardous materials were arranged to be disposed at within the Investigation Area;
 - j. who selected the location to which the materials were to be disposed or treated;
 - k. who selected the Property as the location at which hazardous materials were to be disposed or treated; and
 - l. any records of such arrangement(s) and each shipment.

Response: Cenveo has located no information responsive to Request No. 27.

28. Describe the plants and other buildings or structures where Respondent carried out its operations at each Property within the Investigation Area (excluding locations where ONLY clerical/office work was performed).

Response: Please refer to Cenveo Corporation's Response to U.S. EPA's 104(e) Request for the Portland Harbor Superfund Site. Other than the information contained therein and in this First Supplemental Response, Cenveo has located no information additional information responsive to Request No. 28.

29. Provide a schematic diagram or flow chart that fully describes and/or illustrates the Respondent's operations on each Property.

Response: Cenveo has located no information responsive to Request No. 29.

30. Provide a brief description of the nature of Respondent's operations at each location on each Property including:
- the date such operations commenced and concluded; and
 - the types of work performed at each location, including but not limited to the industrial, chemical, or institutional processes undertaken at each location.

Response: Other than believing that the NW Nela Street facility was a mailing facility in the early-to-mid 1980s time frame, Cenveo has located no information responsive to Request No. 30.

31. If the nature or size of Respondent's operations changed over time, describe those changes and the dates they occurred.

Response: Cenveo has located no information responsive to Request No. 31.

32. List the types of raw materials used in Respondent's operations, the products manufactured, recycled, recovered, treated, or otherwise processed in these operations.

Response: Cenveo has located no information responsive to Request No. 32.

33. Provide copies of Material Safety Data Sheets (MSDS) for materials used in the Respondent's operations.

Response: Cenveo has located no information responsive to Request No. 33.

34. Describe the cleaning and maintenance of the equipment and machinery involved in these operations, including but not limited to:

- the types of materials used to clean/maintain this equipment/machinery;
- the monthly or annual quantity of each such material used;
- the types of materials spilled in Respondent's operations;
- the materials used to clean up those spills;
- the methods used to clean up those spills; and
- where the materials used to clean up those spills were disposed of.

Response: Cenveo has located no information responsive to Request No. 34.

35. Describe the methods used to clean up spills of liquid or solid materials during Respondent's operation.

Response: Based on the belief that the NW Nela Street facility contained a mailing operation, it is doubtful that any spills of any type would have occurred at the NW Nela Street facility, although Cenveo has located no actual information responsive to Request No. 35.

36. For each type of waste (including by-products) from Respondent's operations, including but not limited to all liquids, sludges, and solids, provide the following information:
- its physical state;
 - its nature and chemical composition;
 - its color;
 - its odor;
 - the approximate monthly and annual volumes of each type of waste (using such measurements as gallons, cubic yards, pounds, etc.); and
 - the dates (beginning & ending) during which each type of waste was produced by Respondent's operations.

Response: Cenveo has located no information responsive to Request No. 36.

37. Provide a schematic diagram that indicates which part of Respondent's operations generated each type of waste, including but not limited to wastes generated by cleaning and maintenance of equipment and machinery and wastes resulting from spills of liquid materials.

Response: Cenveo has located no information responsive to Request No. 37.

38. Identify all individuals who currently have and those who have had responsibility for Respondent's environmental matters (e.g. responsibility for the disposal, treatment, storage, recycling, or sale of Respondent's wastes). Also provide each individual's job title, duties, dates performing those duties, supervisors for those duties, current position or the date of the individual's resignation, and the nature of the information possessed by such individuals concerning Respondent's waste management.

Response: Cenveo has located no information responsive to Request No. 38.

39. For each type of waste describe Respondent's contracts, agreements, or other arrangements for its disposal, treatment, or recycling.

Response: Cenveo has located no information responsive to Request No. 39.

40. Provide copies of such contracts and other documents reflecting such agreements or arrangements, including, but not limited to the following:
- state where Respondent sent each type of its waste for disposal, treatment, or recycling;
 - identify all entities and individuals who picked up waste from Respondent or who otherwise transported the waste away from Respondent's operations (these companies and individuals shall be called "Waste Carriers" for purposes of this Information Request);

- c. if Respondent transported any of its wastes away from its operations, please so indicate;
- d. for each type of waste specify which Waste Carrier picked it up;
- e. indicate the ultimate disposal/recycling/treatment location for each type of waste;
- f. provide all documents indicating the ultimate disposal/recycling/treatment location for each type of waste; and
- g. state the basis for and provide any documents supporting the answer to the previous question.

Response: Cenveo has located no information responsive to Request No. 40.

41. Describe all wastes disposed by Respondent into Respondent's drains including but not limited to:
- a. the nature and chemical composition of each type of waste;
 - b. the dates on which those wastes were disposed;
 - c. the approximate quantity of those wastes disposed by month and year;
 - d. the location to which these wastes drained (e.g. septic system or storage tank at the Property, pre- treatment plant, Publicly Owned Treatment Works (POTW), etc.); and
 - e. whether and what pretreatment was provided.

Response: Cenveo has located no information responsive to Request No. 41.

42. Identify any sewage authority or treatment works to which Respondent's waste was sent.

Response: Cenveo has located no information responsive to Request No. 42.

43. Describe all settling tank, septic system, or pretreatment system sludges or other treatment wastes resulting from Respondent's operations.

Response: Cenveo has located no information responsive to Request No. 43.

44. If applicable, describe the facilities, processes and methods Respondent or Respondent's contractor used, and activities engaged in, either currently or in the past, related to ship building, retrofitting, maintenance or repair, including, but not limited to, dry-docking operations, tank cleaning, painting and re-powering.

Response: This Request is not applicable to Cenveo.

45. Describe any hazardous substances, wastes, or materials used or generated by the activities described in response to the previous Question and how these hazardous substances, materials and wastes were released or disposed of.

Response: This Request is not applicable to Cenveo.

46. Provide copies of any records you have in your possession, custody or control relative to the activities described in response to the previous two Questions.

Response: This Request is not applicable to Cenveo.

47. Describe any process or activity conducted on a Property identified in response to Question 4 involving the acquisition, manufacture, use, storage, handling, disposal or release or threatened release of polychlorinated biphenyl(s) ("PCB(s)" or PCB(s)-containing materials or liquids.

Response: Cenveo has located no information responsive to Request No. 47.

48. For each process or activity identified in response to the previous Question, describe the dates and duration of the activity or process and the quantity and type of PCB(s) or PCB(s) containing materials or liquids.

Response: Cenveo has located no information responsive to Request No. 48.

49. For each process or activity identified in response to the previous two Questions, identify the location of the process or activity on the property.

Response: Cenveo has located no information responsive to Request No. 49.

Section 5.0 Regulatory Information

50. Identify all federal, state and local authorities that regulated the owner or operator of each Property and/or that interacted with the owner or operator of each Property. Your response is to address all interactions and in particular all contacts from agencies/departments that dealt with health and safety issues and/or environmental concerns.

Response: Cenveo has located no information responsive to Request No. 50.

51. Describe all occurrences associated with violations, citations, deficiencies, and/or accidents concerning each Property during the period being investigated related to health and safety issues and/or environmental concerns. Provide copies of all documents associated with each occurrence described.

Response: Cenveo has located no information responsive to Request No. 51.

52. Provide a list of all local, state and federal environmental permits ever issued to the owner or operator on each Property (e.g., RCRA permits, NPDES permits, etc.). Please provide a copy of each federal and state permit, and the applications for each permit, ever issued to the owner or operator on each Property.

- Response:** Cenveo has located no information responsive to Request No. 52.
53. Did the owner or operator ever file a Hazardous Waste Activity Notification under the RCRA? If so, provide a copy of such notification.
- Response:** Cenveo has located no information responsive to Request No. 53.
54. Did the owner or operator's facility on each Property ever have "interim status" under the RCRA? If so, and the facility does not currently have interim status; describe the circumstances under which the facility lost interim status.
- Response:** Cenveo has located no information responsive to Request No. 54.
55. Provide all RCRA Identification Numbers issued to Respondent by EPA or a state for Respondent's operations.
- Response:** Cenveo has located no information responsive to Request No. 55.
56. Identify all federal offices to which Respondent has sent or filed hazardous substance or hazardous waste information. State the years during which such information was sent/filed.
- Response:** Cenveo has located no information responsive to Request No. 56.
57. Identify all state offices to which Respondent has sent or filed hazardous substance or hazardous waste information. State the years during which such information was sent/filed.
- Response:** Cenveo has located no information responsive to Request No. 57.
58. List all federal and state environmental laws and regulations under which Respondent has reported to federal or state governments, including but not limited to: Toxic Substances Control Act, 15 U.S.C. Sections 2601 et seq., (TSCA); Emergency Planning and Community Right-to-Know Act, 42 U.S.C. Sections 1101 et seq., (EPCRA); and the Clean Water Act (the Water Pollution Prevention and Control Act), 33 U.S.C. Sections 1251 et seq., Oregon Hazardous Substance Remedial Action Law, ORS 465.315, Oregon Water Quality law, ORS Chapter 468(b), Oregon Hazardous Waste and Hazardous Materials law, ORS Chapters 465 and 466, or Oregon Solid Waste law, ORS Chapter 459. Provide copies of each report made, or if only oral reporting was required, identify the federal and state offices to which such report was made.
- Response:** Cenveo has located no information responsive to Request No. 58.
59. Provide a copy of any registrations, notifications, inspections or reports required by the Toxic Substances Control Act, 15 USC § 2601 et seq., or state law, to be maintained or submitted to any government agency, including fire marshal(s), relating to PCB(s) or PCB(s) containing materials or liquids on any Property identified in response to Question 4.
- Response:** Cenveo has located no information responsive to Request No. 59.

60. Has Respondent or Respondent's contractors, lessees, tenants, or agents ever contacted, provided notice to, or made a report to the Oregon Department of State Lands ("DSL") or any other state agency concerning an incident, accident, spill, release, or other event involving Respondent's leased state aquatic lands? If so, describe each incident, accident, spill, release, or other event and provide copies of all communications between Respondent or its agents and DSL or the other state agency and all documents that were exchanged between Respondent, its agents and DSL or other state agency.

Response: No property on NW Nela Street would be classified as a state aquatic land, to the best of Cenveo's knowledge.

61. Describe all notice or reporting requirements to DSL that you had under an aquatic lands lease or state law or regulation regarding incidents affecting, or activities or operations occurring on leased aquatic lands. Include the nature of the matter required to be reported and the office or official to whom the notice or report went to. Provide copies of all such notices or reports.

Response: No property on NW Nela Street would be a state aquatic land, to the best of Cenveo's knowledge.

Section 6.0 Releases and Remediation

62. Identify all leaks, spills, or releases into the environment of any waste, including petroleum, hazardous substances, pollutants, or contaminants, that have occurred at or from each Property, which includes any aquatic lands owned or leased by Respondent. In addition, identify, and provide copies of any documents regarding:

- a. when such releases occurred;
- b. how the releases occurred (e.g. when the substances were being stored, delivered by a vendor, transported or transferred (to or from any tanks, drums, barrels, or recovery units), and treated);
- c. the amount of each hazardous substances, pollutants, or contaminants so released;
- d. where such releases occurred;
- e. any and all activities undertaken in response to each such release or threatened release, including the notification of any agencies or governmental units about the release;
- f. any and all investigations of the circumstances, nature, extent or location of each release or threatened release including, the results of any soil, water (ground and surface), or air testing undertaken;
- g. all persons with information relating to these releases; and
- h. list all local, state, or federal departments or agencies notified of the release, if applicable.

Response: Cenveo has located no information responsive to Request No. 62.

63. Was there ever a spill, leak, release or discharge of waste, including petroleum, or hazardous substances, pollutant or contaminant into any subsurface disposal system or floor drain inside or under a building on the Property? If the answer to the preceding question is anything but an unqualified "no", identify:
- a. where the disposal system or floor drains were located;
 - b. when the disposal system or floor drains were installed;
 - c. whether the disposal system or floor drains were connected to pipes;
 - d. where such pipes were located and emptied;
 - e. when such pipes were installed;
 - f. how and when such pipes were replaced, or repaired; and
 - g. whether such pipes ever leaked or in any way released such waste or hazardous substances into the environment.

Response: Cenveo has located no information responsive to Request No. 63.

64. Has any contaminated soil ever been excavated or removed from the Property? Unless the answer to the preceding question is anything besides an unequivocal "no", identify and provide copies of any documents regarding:
- a. amount of soil excavated;
 - b. location of excavation presented on a map or aerial photograph;
 - c. manner and place of disposal and/or storage of excavated soil;
 - d. dates of soil excavation;
 - e. identity of persons who excavated or removed the soil, if other than a contractor for Respondent;
 - f. reason for soil excavation;
 - g. whether the excavation or removed soil contained hazardous substances, pollutants or contaminants, including petroleum, what constituents the soil contained, and why the soil contained such constituents;
 - h. all analyses or tests and results of analyses of the soil that was removed from the Property;
 - i. all analyses or tests and results of analyses of the excavated area after the soil was removed from the Property; and
 - j. all persons, including contractors, with information about (a) through (i) of this request.

Response: Cenveo has located no information responsive to Request No. 64.

65. Have you ever tested the groundwater under your Property? If so, please provide copies of all data, analysis, and reports generated from such testing.

Response: Cenveo has located no information responsive to Request No. 65.

66. Have you treated, pumped, or taken any kind of response action on groundwater under your Property? Unless the answer to the preceding question is anything besides an unequivocal "no", identify and provide copies of any documents regarding:
- reason for groundwater action;
 - whether the groundwater contained hazardous substances, pollutants or contaminants, including petroleum, what constituents the groundwater contained, and why the groundwater contained such constituents;
 - all analyses or tests and results of analyses of the groundwater;
 - if the groundwater action has been completed, describe the basis for ending the groundwater action; and
 - all persons, including contractors, with information about (a) through (c) of this request.

Response: Cenveo has located no information responsive to Request No. 66.

67. Was there ever a spill, leak, release or discharge of a hazardous substance, waste, or material into the Willamette River from any equipment, structure, or activity occurring on, over, or adjacent to the river? If the answer to the preceding question is anything but an unequivocal "no", identify and provide copies of any documents regarding:
- the nature of the hazardous substance, waste, or material spilled, leaked, released or discharged;
 - the dates of each such occurrence;
 - the amount and location of such release;
 - were sheens on the river created by the release;
 - was there ever a need to remove or dredge any solid waste, bulk product, or other material from the river as a result of the release? If so, please provide information and description of when such removal/dredging occurred, why, and where the removed/dredged materials were disposed. [is this correct??]

Response: No property on NW Nela Street is adjacent to the Willamette River. Beyond that, Cenveo has located no information responsive to Request No. 67.

68. For any releases or threatened releases of PCB(s), identify the date, quantity, location and type of PCB(s), or PCB(s) containing materials or liquids, and the nature of any response to or cleanup of the release.

Response: Cenveo has located no information responsive to Request No. 68.

69. For any releases or threatened releases of PCB(s) and/or PCB(s) containing materials or liquids, identify and provide copies of any documents regarding the quantity and type of waste generated as a result of the release or threatened release, the disposition of the waste, provide any reports or records relating to the release or threatened release, the response or cleanup and any records relating to any enforcement proceeding relating to the release or threatened release.

Response: Cenveo has located no information responsive to Request No. 69.

Section 7.0 Property Investigations

70. Provide information and documentation concerning all inspections, evaluations, safety audits, correspondence and any other documents associated with the conditions, practices, and/or procedures at the Property concerning insurance issues or insurance coverage matters.

Response: Cenveo has located no information responsive to Request No. 70.

71. Describe the purpose for, the date of initiation and completion, and the results of any investigations of soil, water (ground or surface), sediment, geology, and hydrology or air quality on or about each Property. Provide copies of all data, reports, and other documents that were generated by you or a consultant, or a federal or state regulatory agency related to the investigations that are described.

Response: Cenveo has located no information responsive to Request No. 71.

72. Describe any remediation or response actions you or your agents or consultants have ever taken on each Property either voluntarily or as required by any state or federal agency. If not otherwise already provided under this Information Request, provide copies of all investigations, risk assessments or risk evaluations, feasibility studies, alternatives analysis, implementation plans, decision documents, monitoring plans, maintenance plans, completion reports, or other document concerning remediation or response actions taken on each Property.

Response: Cenveo has located no information responsive to Request No. 72.

73. Are you or your consultants planning to perform any investigations of the soil, water (ground or surface), geology, hydrology, and/or air quality on or about the Property? If so, identify:
- a. what the nature and scope of these investigations will be;
 - b. the contractors or other persons that will undertake these investigations;
 - c. the purpose of the investigations;
 - d. the dates when such investigations will take place and be completed; and
 - e. where on the Property such investigations will take place.

Response: Cenveo no longer has a nexus to any property on NW Nela Street, and is not planning any investigations at or on any property on NW Nela Street.

Section 8.0 Corporate Information

74. Provide the following information, when applicable, about you and/or your business(es) that are associated with each Property identified in response to Question 4:
- state the current legal ownership structure (e.g., corporation, sole proprietorship);
 - state the names and current addresses of current and past owners of the business entity or, if a corporation, current and past officers and directors;
 - discuss all changes in the business' legal ownership structure, including any corporate successorship, since the inception of the business entity. For example, a business that starts as a sole proprietorship, but then incorporates after a few years, or a business that is subsequently acquired by and merged into a successor. Please include the dates and the names of all parties involved;
 - the names and addresses of all current or past business entities or subsidiaries in which you or your business has or had an interest that have had any operational or ownership connection with the Properties identified in response to Question 4. Briefly describe the business activities of each such identified business entities or subsidiaries; and
 - if your business formerly owned or operated a Property identified in response to Question 4, describe any arrangements made with successor owners or operators regarding liability for environmental contamination or property damage.

Response:

- Upon information and belief, the entity that had a nexus to the facility on NW Nela Street would have been Graphic Arts Center, Inc.
 - Please see Cenveo's response contained in the main response for the GAC facility at 2000 NW Wilson Street.
 - GAC does not exist as a separate legal entity. GAC was merged into Mail-Well Commercial Printing, Inc. on January 1, 2000. Mail-Well Commercial Printing, Inc. changed its name to Cenveo Commercial, Inc. in 2004, and was merged into Cenveo Corporation in 2005.
 - Not applicable.
 - Cenveo is not aware who the owner is of the facility on NW Nela Street. There are no arrangements for any environmental contamination at the property. Cenveo is not aware that any contamination exists on the property at issue on NW Nela Street.
75. List all names under which your company or business has ever operated and has ever been incorporated. For each name, provide the following information:

- a. whether the company or business continues to exist, indicating the date and means by which it ceased operations (e.g., dissolution, bankruptcy, sale) if it is no longer in business;
- b. names, addresses, and telephone numbers of all registered agents, officers, and operations management personnel; and
- c. names, addresses, and telephone numbers of all subsidiaries, unincorporated divisions or operating units, affiliates, and parent corporations if any, of the Respondent.

Response: Upon information and belief, the name of the entity with the nexus to the property on NW Nela Street was Graphic Arts Center, Inc.

- a. GAC does not exist as a separate legal entity. GAC was merged into Mail-Well Commercial Printing, Inc. on January 1, 2000. Mail-Well Commercial Printing, Inc. changed its name to Cenveo Commercial, Inc. in 2004, and was merged into Cenveo Corporation in 2005.
- b. Please refer to Cenveo's Response 75 in its response for GAC's current facility at 2000 NW Wilson Street in Portland. Cenveo's registered agent in Oregon is Corporation Service Company ("CSC"), 285 Liberty Street NE, Salem, OR 97301. The CSC number is 1-800-222-2122.
- c. Not applicable.

76. Provide all copies of the Respondent's authority to do business in Oregon. Include all authorizations, withdrawals, suspensions and reinstatements.

Response: See Exhibit 35 to Cenveo Corporation's July 30, 2008 Response to U.S. EPA's 104(e) Request for the Portland Harbor Superfund Site.

77. If Respondent is, or was at any time, a subsidiary of, otherwise owned or controlled by, or otherwise affiliated with another corporation or entity, then describe the full nature of each such corporate relationship, including but not limited to:

- a. a general statement of the nature of relationship, indicating whether or not the affiliated entity had, or exercised, any degree of control over the daily operations or decision-making of the Respondent's business operations at the Site;
- b. the dates such relationship existed;
- c. the percentage of ownership of Respondent that is held by such other entity(ies);
- d. for each such affiliated entity provide the names and complete addresses of its parent, subsidiary, and otherwise affiliated entities, as well as the names and addresses of each such affiliated entity's officers, directors, partners, trustees, beneficiaries, and/or shareholders owning more than five percent of that affiliated entity's stock;

- e. provide any and all insurance policies for such affiliated entity(ies) which may possibly cover the liabilities of the Respondent at each Property; and
- f. provide any and all corporate financial information of such affiliated entities, including but not limited to total revenue or total sales, net income, depreciation, total assets and total current assets, total liabilities and total current liabilities, net working capital (or net current assets), and net worth.

Response: Please refer to Cenveo's Responses 75 and 77 in its response for GAC's current facility at 2000 NW Wilson Street in Portland.

78. If Respondent is a partnership, please describe the partnership and provide a history of the partnership's existence. Provide a list of all current and past partners of any status (e.g., general, limited, etc.) and provide copies of all documents that created, govern, and otherwise rule the partnership, including any amendments or modifications to any of the originals of such documents, and at least five years of partnership meeting minutes.

Response: Not applicable.

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 1 -- PRODUCT AND PREPARATION INFORMATION

PRODUCT INFORMATION

IDENTITY (TRADE NAME): SAFETY-KLEEN PREMIUM SOLVENT

SYNONYMS: Petroleum Distillates; Petroleum Naphtha; Stoddard Solvent; Naphtha, Solvent

SK PART NUMBER(S): 6605

FAMILY/CHEMICAL NAME: Petroleum hydrocarbon

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONE

These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.

MEDICAL:

1-800-752-7869 (U.S.A.)
1-312-942-5969 (CANADA)

RUSH POISON CONTROL CENTER
CHICAGO, ILLINOIS, U.S.A.

TRANSPORTATION:

1-708-888-4660 (U.S.A.)
SAFETY-KLEEN ENVIRONMENT,
HEALTH AND SAFETY DEPARTMENT

1-613-996-6666 (CANADA)
CANUTEC

MANUFACTURER/SUPPLIER: Safety-Kleen Corp. - 1000 North Randall Road - Elgin, IL, U.S.A. 60123
Telephone number: 1-800-669-5840
Safety-Kleen Canada Inc. - 3090 Blvd. Le Carrefour - Suite 300 - Chomedey Laval
Quebec, Canada H7T 2J7 Telephone number: 1-800-363-2260

PREPARATION INFORMATION

MSDS FORM NO.: 82529 **REVISION DATE:** July 8, 1993

ORIGINAL ISSUE DATE: January 7, 1993 **SUPERSEDES:** March 18, 1993

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force Chairman

TELEPHONE NUMBER: For Product Technical Information Call 1-312-694-2700 (U.S.A.);
1-800-363-2260 (Canada)

SECTION 2 -- HAZARDOUS COMPONENTS

NAME	SYNONYM	CAS NO.	WT%	OSHA PEL ¹		ACGIH TLV		OTHER DATA	
				TWA	STEL	TWA	STEL	LD ^a	LC ^b
Distillates (petroleum) hydrotreated light	Solvent naphtha (petroleum), heavy aliph., hydrotreated	64742-47-8	100	100 ^c ppm	N.Av.	100 ^c ppm	N.Av.	> 5000	> 5500 ^c mg/m ³ /4 hours

N.Av. = Not Available

^aOral-Rat LD50 (mg/kg)

^bInhalation-Rat LC50

^cFor Stoddard Solvent CAS 8052-41-3

¹Reference source: 1910.1000 29 CFR Ch. XVII (7-1-92 edition)

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 3 – EMERGENCY AND FIRST AID PROCEDURES

EYES: For direct contact, flush eyes with water for 15 minutes lifting upper and lower lids occasionally. If irritation or redness from exposure to vapor or mist develops, move victim away from exposure into fresh air. Consult physician if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin twice with soap and water. Consult physician if irritation or pain persists.

**INHALATION:
(Breathing)** Remove to fresh air immediately. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.

**INGESTION:
(Swallowing)** Seek immediate medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid aspiration (breathing) into the lungs.

**SPECIAL
NOTE TO
PHYSICIAN:** Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Contact Rush Poison Control Center (see Section 1) for additional medical information.

SECTION 4 – HEALTH HAZARD DATA AND TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF EXPOSURE: Eye and skin contact; inhalation, ingestion.

EXPOSURE LIMITS: See Section 2.

SIGNS AND SYMPTOMS OF EXPOSURE

ACUTE: *Eyes:* Contact with liquid or exposure to vapors may cause mild to moderate irritation with watering, stinging, or redness.

Skin: Contact with liquid or exposure to vapors tends to remove skin oils, possibly causing redness, drying and cracking, and burning, leading to dermatitis. No significant skin absorption hazard.

Inhalation (Breathing): High concentrations of vapor or mist may irritate the eyes and respiratory tract. High concentrations of vapor or mist may cause nausea, vomiting, difficulty breathing, lung congestion, and heart attack. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, unconsciousness, seizures, and other central nervous system effects, including death.

Ingestion (Swallowing): Low order of acute oral toxicity. May cause throat irritation, nausea, vomiting, cardiac injury with arrhythmias (irregular heartbeats), and symptoms of central nervous system effects as listed for *ACUTE Inhalation*. Breathing material into the lungs during ingestion or vomiting may cause mild to severe pulmonary (lung) injury and possibly death.

CHRONIC: Prolonged or repeated skin contact may cause drying and cracking, or dermatitis. Prolonged or repeated eye contact may cause conjunctivitis. Prolonged or repeated inhalation of high vapor concentration has been reported to cause liver and kidney effects, fatal bone marrow hypoplasia (incomplete bone marrow development), and intracerebral (brain) hemorrhage.

MEDICAL CONDITIONS

**AGGRAVATED BY
EXPOSURE:**

Individuals with pre-existing lung, liver, kidney, cardiac, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure

CARCINOGENICITY:

Not applicable.

Also see Section 9.

**OTHER POTENTIAL
HEALTH HAZARDS:**

The following information is required by Canadian WHMIS regulations. Irritancy is covered in Signs and Symptoms of Exposure in Section 4. There is no known human sensitization, toxicologically synergistic product, reproductive toxicity, mutagenicity, or teratogenicity associated with this product as a whole.

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE GUIDE NUMBER:	27 Reference <i>Emergency Response Guidebook</i> (DOT P 5800.5)
FIRE AND EXPLOSION HAZARDS:	Decomposition and combustion products may be toxic. Heated containers may rupture, explode, or be thrown into the air. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.
FIRE FIGHTING PROCEDURES:	NFPA 704 Rating 1-2-0 (Health-Fire-Reactivity) Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.
EXTINGUISHING MEDIA:	Carbon dioxide, foam, dry chemical, or water spray.
CONDITIONS OF FLAMMABILITY:	Heat, sparks, or flame.
FLASH POINT:	148°F (64°C) Tag Closed Cup (minimum)
AUTOIGNITION TEMPERATURE:	440°F (227°C) (minimum)
FLAMMABLE LIMITS IN AIR:	LOWER: 1.0 Vol. % UPPER: 8.1 Vol. %
HAZARDOUS COMBUSTION PRODUCTS:	Burning may produce carbon monoxide.

SECTION 6 – REACTIVITY DATA

STABILITY:	Stable under normal temperatures and pressures, and not reactive with water.
INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):	Acids, bases, oxidizing agents, or chlorine may cause a violent reaction. Avoid heat, sparks, or flame.
HAZARDOUS POLYMERIZATION:	Not known to occur under normal temperatures and pressures.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal temperatures and pressures.

SECTION 7 – PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTIONS:	Keep away from heat, sparks, or flame. When transferring material, metal containers, including tank cars and trucks, should be grounded and bonded. Avoid contact with eyes, skin, clothing, or shoes. Use in well ventilated area and avoid breathing vapor or mist.
PERSONAL HYGIENE:	Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.
SHIPPING AND STORING PRECAUTIONS:	Keep container tightly closed when not in use and during transport. Do not pressurize, drill, cut, heat, weld, braze, grind, or expose containers to flame or other sources of ignition. Empty product containers may contain product residue. See Section 9 for Packing Group information.

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

**SPILL
PROCEDURES:**

Remove all ignition sources. Stop leak if you can do it without risk. Wear protective equipment specified in Section 7, CONTROL MEASURES. Ventilate area and avoid breathing vapor or mist. Water spray may reduce vapor, but it may not prevent ignition in closed spaces. For large spills, isolate area and deny entry; dike far ahead of liquid spill for later disposal. Contain away from surface waters and sewers. If possible, contain as a liquid for possible re-refining or sorb with compatible sorbent material and shovel with a non-sparking tool into closable container for disposal. See *Emergency Response Guidebook* (DOT P 5800.5) Guide Number 27 for more information.

**WASTE DISPOSAL
METHODS:**

Dispose in accordance with federal, state, provincial, and local regulations. Contact Safety-Kleen regarding recycling or proper disposal.

CONTROL MEASURES

**EYE
PROTECTION:**

Where there is likelihood of eye contact, wear chemical goggles and faceshield. Do NOT wear contact lenses.

**PROTECTIVE
GLOVES:**

Use Nitrile, Viton[®], or equivalent gloves to prevent contact with skin. Do NOT use Butyl rubber, natural rubber, or equivalent gloves.

**RESPIRATORY
PROTECTION:**

Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the U.S.A. with OSHA General Industry Standard 29 CFR 1910.134 or in Canada with CSA Standard Z94.4-M1982.

**ENGINEERING
CONTROLS:**

Provide process enclosure or local ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where explosive mixtures may be present, systems safe for such locations should be used.

**OTHER PROTECTIVE
EQUIPMENT:**

Where spills and splashes are possible, wear appropriate solvent-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 8 -- PHYSICAL DATA

**PHYSICAL STATE,
APPEARANCE AND ODOR:**

Liquid, clear, colorless, with characteristic hydrocarbon odor.

ODOR THRESHOLD:

30 ppm (based on Stoddard Solvent)

SPECIFIC GRAVITY:

0.78 to 0.82 (60°/60°F) (15.6°/15.6°C) (water = 1)

DENSITY:

6.5 to 6.8 lb/US gal (780 to 820 g/l)

VAPOR DENSITY:

5.3 to 6.2 (air = 1)

VAPOR PRESSURE:

1 to 2 mm Hg at 68°F (20°C)

BOILING POINT:

350° to 470°F (177° to 244°C)

FREEZING POINT:

-33°F (-36°C) (approximately)

pH:

Not applicable.

**VOLATILE ORGANIC COMPOUNDS:
(US EPA DEFINITION)**

100 WT %; 6.5 to 6.8 lb/US gal; 780 to 820 g/l

EVAPORATION RATE:

less than 0.1 (butyl acetate = 1)

SOLUBILITY IN WATER:

Slight.

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

**COEFFICIENT OF WATER/OIL
DISTRIBUTION:**

Not available.

MOLECULAR WEIGHT:

155 to 180

SECTION 9 – OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA)

DOT CLASS: Combustible Liquid

DOT ID NUMBER: NA1993 PG III

TDG CLASSIFICATION: Not regulated.

SARA TITLE III:

Product does not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Product poses the following physical and health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

WHMIS CLASSIFICATION:

B3, Flammable and Combustible Material, Combustible Liquids;
D2B, Poisonous and Infectious Material, Materials Causing Other Toxic Effects,
Toxic Material

TSCA:

All of the components for this product are listed on, or are exempted from the requirement to be listed on, the TSCA Inventory.

CALIFORNIA:

This product is not for sale or use in the State of California.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.



Allendale Insurance

Loss Prevention Report

MAIL-WELL, INC., ET AL
"GRAPHIC ARTS CENTER"
2000 Wilson St (NW) & 2116 20th St (NW)
Portland, Oregon 97210

CONFERENCE WITH

Mr. David Webber, Plant Manager
Mr. Mark Smith, Maintenance Administrative Assistant
On July 27, 1998

REPORT BY

P. T. Goddyn

INDEX

77570.93

ACCOUNT

1-30336

PURPOSE

This brochure printing facility was visited to complete a scheduled loss prevention evaluation for fire and associated perils.

SUMMARY

This location benefits from good management interest in loss prevention, as evidenced by locking of sprinkler control valves and good documentation for weekly and monthly sprinkler system inspections.

In order to improve loss prevention and reduce the probability of serious damage in the event of a fire, management should focus on the development and establishment of a formalized written version of a Plant Emergency Organization in accordance with Factory Mutual standards. In addition, regular recorded weekly and monthly sprinkler system inspections need to be resumed. Ink storage and mixing arrangements need to be modified as indicated in this report.

On/off sprinklers were found in several areas. These sprinklers need to be replaced with more reliable sprinklers. Sprinklers are needed for the Toshiba Web Press No. 4. Postal pallets in Building No. 4 need to be limited to 8 ft. high.

Prepared by Factory Mutual Engineering Association

This report is intended to assist you in reducing the possibility of loss to property insured by Allendale Mutual Insurance Company by bringing to your attention hazards and lack of protection. It is not intended to imply that all other hazards and conditions are under control at the time of inspection. The liability of Allendale Mutual Insurance Company is limited to that contained in its insurance policies. No liability is assumed by reason of this report or the inspection upon which it is based as it is only advisory in nature and the final decisions must be made by you.

Building Nos. 5 and 6 have been vacated.

RECOMMENDATIONS

Prevention:

97-4-10 (Revised) Regular recorded loss prevention inspections should be conducted on the sprinkler systems. These inspections should include the following items:

- a. All automatic sprinkler control valves should be visually inspected on a weekly basis.
- b. All post indicator valves should be physically tried once a month.
- c. All waterflow alarms should be tested monthly using the Inspector's Test Connections.
- d. General fire prevention inspections should be conducted monthly and should include checking for electrical fire hazards, fire extinguisher condition and charge and adequate clearance for sprinkler heads.

The inspections should be documented and kept on file for review by future visiting Factory Mutual engineers.

Comments: These inspections will ensure that protection will be in service if it is needed and ignition sources are minimized. Adequate forms and documentation are available on site, but the actual inspections have not been done since April 1998. Mr. David Webber, Plant Manager, said that this will be done.

97-4-3 The following fuel burner safety controls on gas-fired equipment should be tested at the following frequency:

- a. Flame supervision on a weekly basis.
- b. High and low gas pressure switches monthly
- c. The combustion air switch monthly.
- d. A safety shutoff valve tightness test semi-annually.

Records of the tests should be compiled and kept for review by management and visiting Factory Mutual consultants.

Comments: These tests will help ensure proper operation of the fuel train safety controls and reduce the probability of a firebox or work space explosion. Mr. Mark Smith, Maintenance Administrative Assistant, has received a bid to have fuel trains modified to make it easier to do these tests. A procedure for doing some of these tests has been documented but not yet implemented due to manpower concerns.

98-7-1 Ventilation in the ink mixing room should not be bypassed.

Comments: A cardboard cover was found over the ~~ventilation intake~~ ^{exhaust fan}. This was done to help the air conditioner keep the room cool. However, flammable vapors can accumulate in this room and this can create an explosion hazard. Mr. Webber said that this will be addressed.

Control:

97-4-4 The existing Plant Emergency Organization should be upgraded and improved in accordance with Factory Mutual standards with the following functions and duties assigned to designated plant personnel, including alternatives for each shift:

a. Person-in-charge: This person should take overall responsibility upon the receipt of a fire alarm or an emergency to initiate and organize actions until the public fire department arrives on site. He also confers with the public fire department and other assisting organizations.

b. Notifier: A limited number of personnel should be trained to properly notify the public fire department and management in accordance with the established notification plan.

c. Fire fighting squad: An adequate number of personnel should be trained in where to find and how to use first aid fire fighting equipment. This group should be capable of fighting a fire in its initial stages until the public fire department arrives on site and takes over.

d. Sprinkler control valve operator: A designated person should immediately check the relevant sprinkler control valves which control the affected area in the event of a fire. This person should make sure that the control valves are open, re-open closed valves immediately and remain near these valves until the fire chief gives the instruction to close the sprinkler control valves.

e. Piper/electrician: An adequate number of personnel should immediately shut down all supplies which could provide fuel to the fire and contribute to fire spread (turning off utilities).

f. Salvage squad: A salvage group should be formed of trained and instructed personnel to take immediate action per prearranged plans to minimize property damage and time element exposure by covering and/or moving stock and equipment in the event of an emergency. This group will start immediate cleaning action after the emergency has been cleared. This group should also be responsible to take action in the event of high flood waters (including relocation of stock, securement/relocation of equipment).

Comments: Prompt and effective action taken by well-trained employees will help to minimize both property damage and time element exposure in the event of an emergency. Mr. Ken Metro, Hazardous Waste Coordinator, said that the emergency procedures will be modified to include this recommendation.

98-7-2 On/off type sprinkler heads should be replaced with standard sprinkler heads.

Comments: Central Omega sprinklers were noted in the computer room (four heads) and in the color/prepress office area (about 25 heads). Two on/off sprinkler heads of

another type were noted in the old computer room. On/off heads are generally less reliable than standard sprinkler heads and Central Omega sprinklers are not Factory Mutual approved. Mr. Webber said that this would be looked at immediately.

98-7-3 Storage of wood and postal pallets in Building No. 4 should be limited to 8 ft. high.

Comments: The sprinkler system is not adequate to protect this type of storage higher than 8 ft. Mr. Smith said that he will try to accomplish this.

98-7-4 Curbs should be constructed around areas where portable tanks of ink are stored and used and around the storage rack adjacent to Web Press No. 2.

Comments: The inks stored here should be contained in case of a spill or a fire involving the rack storage. Mr. Webber said that this will be looked into.

98-7-5 Automatic sprinklers should be provided for all shielded areas of Web Press No. 4.

Comments: Several areas of this press, including the dryer area, are shielded from the ceiling sprinkler system. Mr. Webber said that this press is to be replaced before the end of the year, so sprinklers will not be considered at this time.

97-4-13 A test flushing of the dry-pipe sprinkler system in Building No. 7 should be completed. All materials collected should be recorded as to location tested, date tested and amount collected. If significant amounts of obstructing materials are found, a complete flushing of the system(s) should be performed.

Comments: Dry-pipe sprinkler systems need to be test flushed to ensure characteristic scale build-up found within dry systems does not clog sprinkler heads. This investigation can be performed by disassembling piping of flowing water through a burlap bag. Test flushing is needed when dry-pipe sprinkler systems reach 15 yr. old, 25 yr. old and every 5 yr. thereafter. Mr. Smith said that this will be looked into.

98-7-6 Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:

a. Longitudinal earthquake sway braces, spaced 80 ft. on-center, should be provided on all crossmains and feedmains. Lateral earthquake sway braces, spaced 40 ft. on-center, should be provided on all crossmains and feedmains. A lateral brace should be provided within 24 in. of every other flexible coupling. Longitudinal and lateral bracing should be provided for all changes of direction with pipe runs longer than 6 ft. A lateral brace should be present within 6 ft. of the end of the main, and a longitudinal brace should be present within 40 ft. of the end. Sway braces should be attached to significant structural members, preferably with through-bolts.

b. Standard U-hooks should be restrained by a clamp for every other hanger in gridded systems and at the end hanger of branchline piping of tree systems. C-clamps attached to beams that support sprinkler piping should be fitted with restraining straps. Sprinkler heads subject to hitting structural members should be restrained by restraining the closest hanger.

c. Suspended ceilings should be braced on 12 ft. intervals.

d. Pipe drops should be provided with a flexible coupling at the top of the drop.

Comments: Experience during the 1994 Northridge and 1995 Kobe earthquakes has shown that sprinkler piping not braced according to present day standards sustain violent shaking, resulting in water damage and impaired sprinkler protection. Mr. Webber said that this will be looked into.

IMPORTANT CHANGES

Storage was noted in one of the electrical rooms. Mr. Webber said that this will be removed.

A few metal halide light fixtures without shields were noted. Mr. Smith said that covers will be provided.

Sprinklers are not currently provided in the cyclones. Since there are two cyclones, one could back up the other in case of a fire. Mr. Smith said that providing sprinklers here will be looked into.

All sprinkler control valves were found locked in the open position during this visit. (97-4-1)

A complete valve list has been prepared. (97-7-1)

The Factory Mutual Red Tag Permit System is now in regular recorded use. (97-7-2)

Adequate documentation for the monthly general fire inspection program has been provided. However, the inspections are not done. The recommendation to do this, Recommendation No. 97-4-11, has been combined with Recommendation No. 97-4-10.

There is no formal disaster recovery plan at this location. However, in case of a disaster, there are several other plants within Mail-Well that could take over production from this plant. No unique processes or equipment exist at this plant. There currently is sufficient capacity available, although this fluctuates regularly. Shipments and back-up from one plant to the other are currently practiced to ensure timely filling of customer orders. (97-7-3)

Plans for any changes are to be sent to Factory Mutual. A new web press may replace the No. 4 press and, in this case, equipment plans are to be sent. These may be sent to Factory Mutual at 3215 NE 41st Avenue, Portland, OR 97212.

Mail-Well no longer has an interest in Building Nos. 5 and 6. Recommendation Nos. 97-4-5, 97-4-6, 97-4-7 and 97-4-9 have therefore been removed from the report.

Recommendation No. 97-4-12 has been combined with Recommendation No. 97-4-10.

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PROPERTY CONSERVATION

Generally, the preventive maintenance for buildings, machinery and equipment is good.

All manual fire extinguishers are maintained on a regular frequency based on local rules.

Property conservation is handled at the local level. Local management organizes and controls all preventive maintenance programs.

(ADD) NATURAL HAZARDS

Collapse:

The building design is adequate per Factory Mutual standards. The maximum anticipated ground snow loading, per D.S. 1-54, is 10 psf. The facility is assumed to be designed for a 25 psf live load design per UBC and local codes, which reference the requirements of the Structural Engineer's Association (SEA) of Oregon. This data is compiled using the design snow load for a 33 yr. MRI rather than the 50 yr. MRI used by Factory Mutual. However, the 25 psf is the set minimum according to SEA tables, and actual snow loads per the SEA are lower than 25 psf. The actual snow load for the elevation of this facility is about 10 psf.

The elevation difference between building roofs of Building Nos. 2 and 3 is about 10 ft. Snow drift is not assumed to have been considered in the design. Due to a 3 ft. parapet between Building Nos. 2 and 3, snow drift from a 100 ft. length of roof is expected. This results in an equivalent drift load of 26 psf, which means that the snow collapse exposure is considered moderate.

The maximum anticipated rain intensity is 1.5 in./hr., per D.S. 1-54. An adequate number of drains has been provided.

Earthquake:

This building is in a UBC Earthquake Zone 3 and in a Factory Mutual Seismic Zone 150.

Flood:

This facility is not exposed to flooding.

The exposures from tsunami or seiche were not evaluated due to lack of guiding standards.

Freeze:

Data Sheet 3-2, Figure 20, states that the lowest 1 day mean temperature for this area is 10°F. The plant does not have a history of freeze impairments.

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Windstorm:

The average number of tornadoes per year per 10,000 sq. mi. is less than 0.2, per D.S. 1-7.

Surface Water:

The basement level of Building No. 1-A is at the same elevation as the ground floor level of Building Nos. 4 and 4-A. Around part of Building No. 1-A, the basement is up to 3 ft. below grade. Street drainage appears adequate.

Sewer Backup:

There is no known sewer backup exposure at this location.

Hail:

An unreinforced PVC roof membrane does not exist at this site.

Although a hailstorm would be possible at this facility, stones large enough to cause damage would not be likely in this area, according to hailstorm hazard maps in D.S. 1-47S.1.

Lightning:

The average frequency of thunderstorms is less than 10/yr. in this area, per D.S. 5-11.

Volcano:

This location is approximately 48 mi. from Mount Hood, 58 mi. from Mount St. Helens and 78 mi. from Mount Adams.

Land/Mudslides:

This location is in a sloping area which does not appear to be exposed to landslides or mudslides.

Wild/Bush Fires:

There is no exposure from wild fire or forest fire.

Subsidence and other soil conditions:

No evidence of subsidence or other soil conditions was found.

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PREVENTION

Arson:

(REV) Adequate lighting is provided and sprinkler control valves are locked.

Electrical:

The electrical equipment is repaired promptly and is generally separated from storage areas.

An annual infrared scan on all electrical equipment is conducted.

Electrical power is provided by the local utility to several utility-owned, oil-filled transformers.

Flammable Liquids:

(REV) A 20 x 25 ft. flammable liquids storage room is located at the southeast corner of Building No. 2. The room is provided with automatic sprinkler protection and three 5 lb. dry chemical tanks with automatic activation via temperature. Adequate curbing and continuous mechanical ventilation are provided. Mostly Class II, like kerosene, and IIIB liquids, such as oils were found here. Grounding straps are provided. The room is provided with Class I, Division 2 electrical and is approximately 2 hr. construction due to the Type X gypsum board ceiling. The walls and floor are concrete. There is curbing but no drainage.

(REV) The inks used in the offset printing process are soy-oil and petroleum-oil based. They are Class IIIB liquids with flash points between 210 and 265°F. They have a volatiles percentage between 10 and 55% by volume. Viscosity ranges from 12,000 to 35,000 cp. Inks are stored in plastic 2 to 5 gal. buckets, or in 650 gal. metal portable totes.

(REV) The ink storage rooms and the ink mixing area in Building No. 2 are cut off from the surrounding occupancies. All adequate precautions are taken, except that no containment is present. This is considered a tolerable situation due to the location of the room.

(REV) There are four 650 gal. metal totes of ink used for Web Press Nos. 1 and 2 located along the west wall of Building No. 2. The ink is pumped at a low pressure (less than 10 psi) from this area to both presses. An additional four totes of ink are stored adjacent to the ink being pumped.

(REV) One single-row rack of 3 gal. plastic containers of speciality colors ink on solid shelves is located west of the pumped ink. The rack has three tiers and is 30 ft. long, 4 ft. deep and 8 ft. high.

(REV) There are four 650 gal. totes of water-based ink used for Web Press No. 4 and four totes for Web Press No. 5 located in the middle of Building No. 4. They are arranged as described above. An additional eight totes of ink are stored adjacent to the ink being pumped.

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(REV) Some products receive a gloss coating after printing. This can be an ultraviolet curable coating (no flash point) or an aqueous coating (flash point over 200°F; contains 8.7% volatiles and is stored in fiberboard cartons; for fire protection purposes treated as Group A unexpanded plastic).

Blanket wash (Class II) is stored in two underground tanks south of Building No. 2 and pumped to the south side of the building into Factory Mutual approved safety cans.

Hazardous Processes:

(ADD) Each of the four web presses has a gas-fired dryer and an associated catalytic incinerator on the roof. The dryers are each provided with adequate explosion venting. One incinerator serves both Press No. 4 and Press No. 5.

(REV) The Toshiba Web Press No. 4 has a dual zone TEC Model C-2800 continuous gas-fired offset printing dryer. The associated TEC Model CRPC-II catalytic incinerator is on the roof. Each dryer has two burners, one for each zone, rated at 2.56 MBtu/hr. The system is arranged as a single exhaust fan sized to serve both dryers simultaneously. An additional exhaust duct with a separate exhaust fan is provided with a damper arrangement which enables the incinerator to be bypassed during dryer operation. The installation is interlocked so that during normal operation, the dryers cannot be operated unless the press is up to 10% speed and the incinerator is operating and up to the 550°F ready temperature.

The incinerator exhaust fan is sized to provide an adequate safety ventilation rate of 2,592 cfm through both dryers simultaneously. The bypass exhaust fan is sized to provide 5,184 cfm of ventilation. There is a 1-1/2 min. purge time providing four volume changes throughout the dryer, incinerator and ductwork. Interlocks are provided to shut down the dryer burners in the event of high or low gas pressure, exhaust fan failure, supply or combustion air fans, excess temperature, flame failure, or power supply. Additional interlocks will shut down the incinerator burner high or low gas pressure, exhaust fan failure, excess temperature, or power failure. An interlock automatically stops the feed of solvent into the dryers in the event of exhaust fan failure. All equipment is Factory Mutual approved.

There is no combustion air blower associated with the incinerator burner. Combustion air is drawn through ports at the burner due to the negative pressure developed by operation of the incinerator exhaust fan. The dryer exhaust fan pressure switches are set to ensure negative pressure in the incinerator is sufficient to provide adequate air to the incinerator burner.

Explosion venting is provided for the catalytic incinerator at the rate of 1 sq. ft./23.7 cu. ft. This is considered tolerable.

Hot Work:

(REV) The Factory Mutual Hot Work Permit System is available and will be used in future.

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Smoking:

(REV) Smoking is prohibited throughout the entire facility. The designated smoking areas are outside. Employees support the policy.

CONTROL

Emergency Organization:

There is a formal training program for new employees. It covers operation of any equipment in the employee area.

Fire Department:

(REV) The local fire department conducts regular inspections at this location. Storage arrangements, fire extinguishers and hazards associated with electrical equipment are checked.

An adequate number of fire extinguishers and small hose stations is provided throughout the entire location.

Construction:

All roofs at this facility are plywood laminate supported by wood joists and steel columns. Roof covers are either single-ply, EPDM rubber membrane covers, or a built-up roof. There are no PVC single-ply roofs at this facility.

Unprotected spaces above suspended ceilings were found in the office areas in Building Nos. 1-A and 4-A. Standard wiring is present and no protection is recommended.

(REV) Overhead Door manufactured all fire doors throughout the facility. Drop tests of the doors are done annually.

(ADD) Web Press No. 1 is in an area with a fiberglass reinforced plastic (FRP) ceiling. This area measures approximately 25 x 175 ft. No information could be obtained on the material. This is considered tolerable.

(ADD) Aside from this FRP and the roof insulation, no plastics in construction were found.
(PTG 7/98)

Occupancy:

This facility is used for printing full-color brochures, including promotional brochures, annual reports, catalogues, etc., for companies throughout the world.

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(REV) Each production run is customer dictated. Therefore, most roll paper storage and finish product is warehoused briefly. Roll paper, either coated or uncoated, is brought to one of four web presses or six sheet fed presses where it is cut to various dimensions, printed, dried and cooled via chilled rollers. Finally, the finished sheets are folder and/or bound, if necessary, boxed and palletized.

(REV) Building No. 1A has two stories. The first story is used for film storage (plastics, Group B) in wood shelves to a height of 5 ft. The second story is used as offices. Combustible loading is moderate and occupancy is typical.

(REV) The north portion of Building No. 1 is occupied by the six Heidelberg Speedmaster sheet fed presses. Each machine is capable of printing an assortment of colors, from two to eight, depending on the machine. Each machine is capable of between 7,000 to 10,000 impressions per hour. Some coatings on these presses are cured by UV and IR light. The south portion is occupied by the folding machines, two cutting machines and a binding operation. The building also has several piles of in-process storage. The west section of Building No. 1 contains a Heidelberg press, Web Press No. 1. Approximately 1,000 sq. ft. of the southwest portion is used to stage and ship unbound brochures and catalogues to outside binding facilities. Storage in this area is solid piled to 3 ft. high on pallets.

Building No. 2 contains a Harris press, Web Press No. 2, and has several piles of in-process storage and in-process roll paper storage. The in-process roll paper storage is mostly stored on side, one high, to a height of 4 ft., although there is one 200 sq. ft. area where rolls are stored on end to 15 ft. high in a standard array. The insured stated that typically a one shift supply of paper is maintained in the building. The remaining area is used for Class III rack storage up to 16 ft. (in-process brochures). Ink storage and mixing is also done in this building.

Building No. 3 is used as a bindery and for pile storage as well as semi-finished product storage area in a typical solid piled arrangement on pallets up to 10 ft.

(REV) The Baler Building south of Building No. 3 is used to bale paper. Two independent balers and cyclones on the roof can each handle the production scrap paper. The bales are immediately loaded on a truck. No build-up of bales is accumulated. Housekeeping is good. There is a loud siren in case of a plug in one of the ducts and immediate action is taken to ensure that there are no accumulations of paper on the roof.

(REV) The east side of Building No. 4, below the mezzanine, is the receiving department. Medium and heavyweight roll paper without bands is stored on end along the north and east walls in a standard array to 20 ft. Rows are generally two to three stacks deep. The west side of this building is occupied by Web Press Nos. 4 (Toshiba) and 5 (Heidelberg). The presses run north to south. Several in-process single-row racks up to 15 ft. are provided throughout the building, along with in-process roll paper. Offices are located above the mezzanine. Occupancy is typical. Building No. 4A is used for offices and as guest housing apartments.

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Building No. 7 is used to repair pallets. Pallets are stored in approximately half of this building to a height of 15 ft.

Automatic Protection:

Automatic sprinkler system design:

The following automatic sprinkler protection is installed:

Area - Building Nos. 1 and 1A
Design - Ordinary hazard pipe schedule
Temperature - 165°F
Orifice - 1/2 in.
Maximum head spacing - 120 sq. ft.
Density - 0.15 gpm/sq. ft. (per D.S. 3-26)
Designed area (demand area) - 2,500 sq. ft.
Hose demand - 250 gpm

Adequate protection is available from the public supply for the printing, film storage and office areas.

Area - Building No. 2
Design - Hydraulically designed
Temperature - 165°F
Orifice - 17/32 in.
Density - 0.38 gpm/sq. ft.
Designed area (demand area) - 6,000 sq. ft.
Required flow - 2,390 gpm at a pressure of 53 psi

Adequate protection is available from the public supply for the printing and in-process storage areas.

Area - Building No. 3
Design - Gridded, hydraulically designed
Temperature - 286°F
Orifice - 17/32 in.
Density - 0.16 gpm/sq. ft.
Designed area (demand area) - 3,000 sq. ft.
Hose demand - 250 gpm
Required flow - 514 gpm at a pressure of 69 psi
Branchlines - 1-1/2 in.
Near main - 3-1/2 in.
Far main - 3 in.

Adequate protection is available from the public supply for the in-process and finished product storage areas (solid piled on pallets up to 10 ft.).

LPR SUPPLEMENT

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Area - Building No. 4
Design - Two gridded, hydraulically designed

The first grid protects the area below the mezzanine.
Temperature - 286°F
Orifice - 17/32 in.
Density - 0.6 gpm/sq. ft.
Designed area (demand area) - 2,500 sq. ft.
Branchlines - 1-1/2 in.
Feedmain - 3-1/2 in.
Near main - 2-1/2 in.
Far main - 2-1/2 in.
(It actually consists of four small grids within a larger grid)
Required flow - 2,175 gpm at a pressure of 71 psi

Nearly adequate protection is available from the public supply for the roll paper storage areas.

The second grid protects the west side and offices
Temperature - 286°F
Orifice - 17/32 in.
Density - 0.24 gpm/sq. ft.
Designed area (demand area) - 3,000 sq. ft.
Branch lines - 2 in.
Near main - 6 in.
Far main - 4 in.
Required flow - 2,196 gpm at a pressure of 64 psi

Adequate protection is available from the public supply for the printing presses and office areas.

Area - Building No. 7
Design - Hydraulically designed
Temperature - 165°F
Orifice - 1/2 in.
Density - 0.22 gpm/sq. ft.
Designed area (demand area) - 2,600 sq. ft.
Required flow - 798 gpm at a pressure of 52 psi

(REV) Adequate protection is available from the public supply for the pallet repair area.
Protection for wood pallet storage to 15 ft. is not adequate.

LPR SUPPLEMENT

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(ADD) Seismic Protection:

A general evaluation of seismic protection of automatic sprinkler protection was conducted. This location is in a Factory Mutual Zone 150. Sprinkler systems were installed between 1966 and 1984. Sprinkler systems are gridded and tree type.

All sprinkler system risers are equipped with flexible couplings at the top and bottom. Complete four-way bracing is provided at the top of the risers. Clearance at the risers is adequate, and a rodged connection with the underground main has been provided at some of the risers.

Partial lateral earthquake sway bracing is provided on crossmains and feedmains. Partial longitudinal bracing is present. Bracing is attached to the structure using lag bolts. Bracing of the system is not satisfactory.

Clearance where piping runs through walls and floors appears satisfactory. Clearance from utilities, equipment and structural members appears adequate.

Mains are connected using flexible couplings. Flexible couplings have not been provided on pipe drops. Branchlines have threaded connections.

Standard U-hooks, C-clamps and rod-and-ring hangers are used to hang branchline piping and wraparound U-hooks are not used for the last hanger. C-clamps have not been fitted with retaining straps. Hangers are attached to the structure with lag bolts.

Suspended ceilings braced over Web Press No. 1 and in a few of the office areas.

Sprinkler plans are not available.

Adequate hydrant protection is available around this location.

Detection and Alarms:

Honeywell tests the waterflow alarms bi-monthly. All sprinkler control valves are visually inspected monthly by maintenance, along with a general fire safety inspection. Records are not maintained. Annual trip testing of the dry-pipe valves is conducted by Delta Fire Inc., with records kept. The computer room halon system is checked semiannually, including detectors. A complete visual inspection of all sprinkler systems is conducted annually by an outside contractor.

LOSS HISTORY

There is no reported loss history at this location.



Factory Mutual Insurance Company
540 Maryville Centre Drive, Suite 400
St. Louis, MO 63141-5819 USA
T: 314 453 9660 F: 314 453 9559 www.fmglobal.com

May 12, 2003

Mr. Mark Smith, Facility Planner
Mail Well, Inc.
2000 Northwest Wilson Street
Portland, OR 97210

RE: FM Global – BASELINE RISK EVALUATION
Mail-Well, Inc.
"Graphic Arts Center"
Portland, OR
Index No. 77570.93
Account No. 1-30336

Dear Mr. Smith:

Enclosed for your review and distribution are copies of our FM Global Loss Prevention Report dated April 7, 2003 regarding the subject location.

I am pleased to note that recommendations 01-12-2, 01-12-4 and 97-4-13 have been reported complete and removed from the face of the report. Please pass on our appreciation to local management for their efforts in completing these items.

Recommendations 01-12-1, 98-7-3, 99-11-1, 03-4-1, 01-12-3, 97-4-10 and 98-7-6 are being offered and are in need of attention at this time. Please provide our office with the current status of these items within 30 days.

If you should have any questions or comments regarding this report, please do not hesitate to call me. Thank you for your assistance.

Sincerely,

Stephen E. Marek

Stephen E. Marek
Senior Account Engineer

SEM/cm

Enclosures

cc: Gregory "Red" Hidden / David Young / Ed Truett / Terry Thomas / STL-OPS
FM-Los Angeles



Risk Report

Location Findings



Mail-Well, Inc.
"Graphic Arts Center"
2000 NW Wilson St
Portland, Oregon 97209-1884
USA

Fire & Natural Hazards
Baseline Risk Evaluation
Visit by Douglas F. Burnett on
07 April 2003 in conference with
Mr. Mark Smith, Facility Planner

Understanding the Hazards at this Facility

The hazards associated with printing operations are dependent upon the types of inks and solvents utilized in the printing operations. The general categories are operations that utilize inks having flash points greater than 200 F (offset and letter presses which are typical to the newspaper industry), and those operations that utilize inks and solvents having flash points less than 200 F (Rotogravure and Flexographic press which are more typical to specialty or magazine print operations).

All printing operations have inherent hazards associated with inks, paper storage, and housekeeping. This knowledge of the common hazards and our loss experience show that the following areas should be considered most important:

- Containment for bulk storage of inks and other flammable liquids.
- Shielded areas created by printing presses.
- The accumulation of waste ink, dust, and ink-mist dust.
- Computer technology to run the presses.
- Noncombustible construction for press rooms.

Inks with flash points over 200 F and having a high viscosity (similar to toothpaste or honey), are more difficult to ignite and are readily extinguishable by properly designed sprinklers.

Rotogravure and Flexographic operations have additional hazards associated with low-flash point solvent and inks. These inks are easily ignited and more difficult to control with sprinklers. Intermediate bulk containers are particularly difficult to protect and need careful analysis. Also, the following hazards tend to be present and require careful analysis:

- Lack of proper ventilation.
- Dryers for removing solvents.
- Explosion venting.
- Static grounding.
- Changes in solvent application rates.

Many of these issues including flammable liquids handling, hydraulic fluids and idle pallet storage were covered with local management during the visit and in closing conference discussions. Local management displayed interest in many of the loss prevention measures, however due to budget issues physical improvements or improvements requiring staffing,

Index: 077570.93-05
Account: 01-30336
Order ID: 0000547077-2

This report is strictly informational and is intended to reduce the possibility of loss to property insured by the Factory Mutual Insurance Company by bringing to your attention certain potential hazards and/or conditions. It does not imply that all other hazards or conditions are under control. You must make the decision on whether and how to address any hazard or condition. The liability of Factory Mutual Insurance Company is limited to that contained in its insurance policies. No liability or policy coverage is created by reason of this report or the inspection upon which it is based.

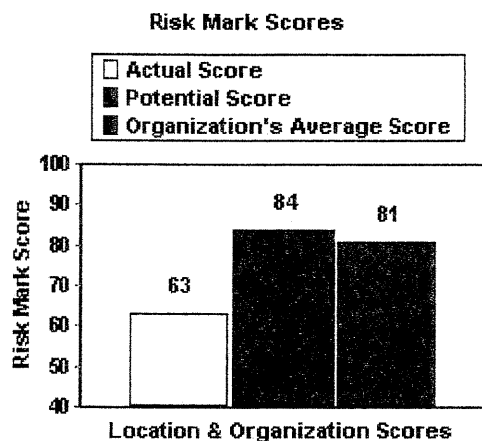
Understanding the Hazards at this Facility (continued)

would not be completed. A brochure was left covering fires following an earthquake created by natural gas leaks. The brochure also covered how a seismic gas shut-off valve can significantly reduce the chance of a fire by shutting off the supply at the source. Local management did show interest in hazards associated with fire following an earthquake and confirmed that action would be taken to install a seismic gas shut-off valve.

"Key Exposures" are those that can most directly impact loss experience. Associated recommendations are flagged as "Key" since they address the hazards that are most likely to lead to a serious loss.

Location Overview

This display shows calculated "Risk Mark" scores for this location. "Risk Mark" is a risk quality rating on a 0-100 scale (lowest to highest). The first chart shows the location score, the location "Potential Score" (assuming all recommendations are removed) and the organization's average score (weighted by value). The second chart shows how the location score ranks (in terms of quartiles) relative to other locations visited by FM Global.



Location Risk Quality by Quartile

Lower	Lower Middle	Upper Middle	Upper
●			

Compared to all FM Global Locations

Management of Exposures

Certain potential hazards and conditions were evaluated at this facility. Completion of the following items will help lower both the frequency and severity of losses and minimize the possibility of costly interruptions to your business.

Key Exposures

Experience shows that the majority of all losses in this type of facility can be prevented or minimized by addressing the **Key Exposures**, which are flagged below.

01-12-001

Key Exposure

Install an emergency shut-off safety interlock on both balers to shut down hydraulic pumps.

The two waste paper balers should be fitted with safety interlock devices. The safety interlock should automatically shut down the baler and hydraulic pumps upon detection of heat from a fire.

01-12-001
(continued)

The Hazard	The balers have approximately 300 gal. of petroleum-based hydraulic fluid. A pinhole leak in the hose could create a fire potential. Atomized hydraulic fluid would be released into the surrounding area and any hot surface or electrical outlet could ignite the fluid causing a "flame thrower" type fire far reaching across rooms. Once the fluid is ignited, without a way to automatically shut down the system, the pump would continue to add atomized hydraulic fluid to the fire. Any surrounding combustible loading such as paper or plastics will soon become involved. It is not impossible to consider the wood constructed roof also becoming involved in the fire. This fear is a fire resulting in heavy equipment and stock damage, with prolonged downtime.
Technical Detail	An electrical contractor or in-house electrician should be consulted to fit the system with a 286 F fusible solder link at the ceiling. This link should melt during a fire and be interlocked to the baler's emergency stop circuit, causing it to shut down automatically.
Status	The recommendation will be studied for possible completion.

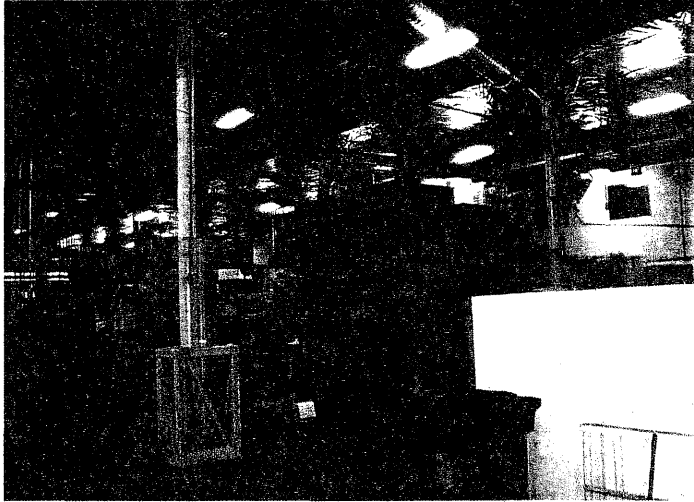
98-07-003

Key Exposure

Lower the storage height of wood and plastic pallets. (Last Revised 07 April 2003)

Storage of both wood and plastic postal pallets should be arranged as follows:

- Indoor wood pallet storage should be limited to a maximum of 8 ft. high.
- Indoor plastic pallets should be located in a 2 hr. fire rated cutoff room with sprinkler protection of 0.60/room. The room should be less than 1,000 sq. ft.
- Outdoor plastic pallet storage should be located 20 ft. from a concrete wall with no openings. Groups of pallets containing 50 to 200 pallets should be separated by 40 ft. horizontal distance.

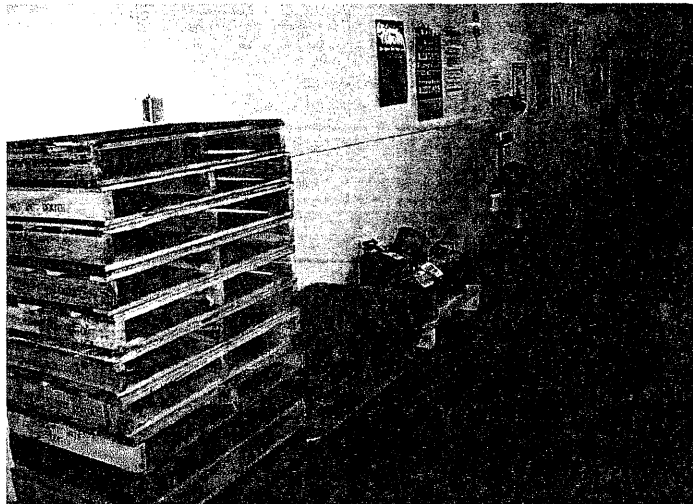
The Hazard	<p>Pallet storage contributes a large amount of fuel to a fire. A fire involving pallet storage will produce large amounts of heat and smoke, causing extensive damage to the building and contents. The heat release will fuse more sprinkler heads at the ceiling than the system was designed for and overtax the water supply. The sprinklers would not be able to function properly and the fire could grow out of control.</p>  <p>Plastic Pallets</p>
Status	There are no current plans to complete the recommendation.

<p>99-11-001</p> <p>*Key Exposure*</p>	<p>Improve flammable liquids handling. (Last Revised 07 April 2003)</p> <p>Additional safeguards are needed for the blanket wash dispensing station on the south side of Building No. 2.</p> <ul style="list-style-type: none">• Grounding on dispensing nozzles should be fitted with upgraded electrical grounding. This grounding should connect to the metal nozzle to prevent a static charge developed in the rubber hose from arching to the container.• A fusible link safety interlock should be installed above the dispensing area. This link would automatically shut down the pump in the event of a fire.• Store all flammable liquids containers not in use in the designated flammable liquids room.
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99-11-001
(continued)

The Hazard

If a fire occurs in this area, the rubber dispensing hoses could burn through, allowing a large amount of blanket wash to puddle on the floor in this area. Without an automatic way to shut down the pumps, a large amount of liquid would be dispensed into the fire. A pool fire involving the blanket wash liquid would not be controlled by the ceiling sprinklers and could grow out of control.



Blanket Wash Containers

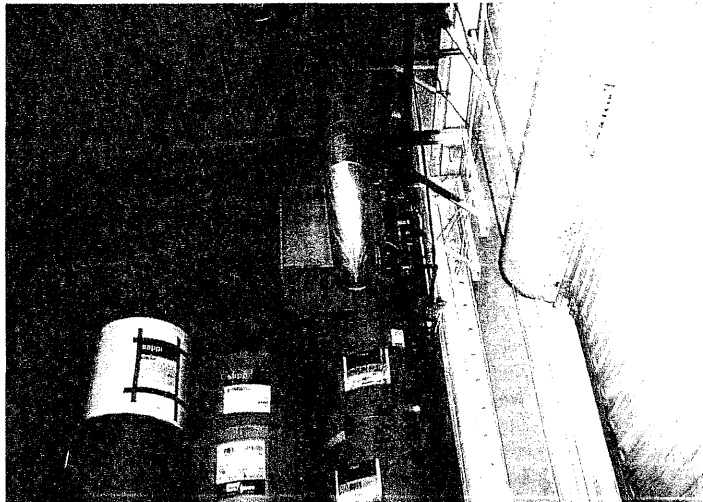
Status

The recommendation will be studied for possible completion.

03-04-001

Provide safeguards to prevent the release of flammable gases during a seismic event.

The following items regarding existing natural hazard deficiencies at this facility should be considered:

<p>The Hazard</p>	<p>The lateral forces associated with a major earthquake often damage the integrity of gas systems, allowing gas to leak into the air. Escaping flammable gas provides ample fuel to support an explosion or supply a major fire. Typically, this flow of fuel continues unabated—a situation that frequently is worsened by concurrent breakage of unbraced automatic sprinkler piping, delayed public fire service response resulting from the need to focus on rescue operations, and the loss of fire service water supplies.</p>  <p>Natural Gas-Fired Heater Without Flexible Hose or Bracing</p>
<p>Part A.</p>	<p>Provide a seismic gas shut-off valve for the natural gas line entering the building.</p>
<p>Status</p>	<p>The recommendation will be completed by August 2003.</p>
<p>Part B.</p>	<p>Provide equipment restraint and flexible hose connections to all natural gas-fired equipment.</p> <p>For equipment supplied with bulk flammable gas, provide equipment restraint and, or, flexibility in flammable gas supply pipe connection.</p>
<p>Status</p>	<p>The recommendation will be studied for possible completion.</p>

01-12-003	<p>Remove deposits on web press motor housing and paper dust accumulation in electrical panel room.</p> <p>Housekeeping should be improved around the presses and electrical panel room. In the press area, the oily deposits around the motor casings and overhead pipe should be cleaned. In the electrical room, the paper dust should be cleaned from panels and monitored for future deposits.</p>
The Hazard	<p>A spark originating in the press motor could catch the oily deposits around the motor casing on fire. Due to this added fuel a fire could grow larger then anticipated requiring a greater number of sprinkler heads to control the fire and causing damage to the press and surrounding room. In addition non-thermal damage (water) from the sprinklers could destroy paper storage and create additional cleanup.</p>
Status	<p>The recommendation will be studied for possible completion according to Mr. Mark Smith.</p>
97-04-010	<p>Develop supervision and maintenance programs for the automatic sprinkler systems. (Last Revised 07 April 2003)</p> <ul style="list-style-type: none"> • All sprinkler system waterflow alarms, pump running alarms, etc., should be tested monthly. All supervisory signals such as sprinkler control valve tampers, etc., may be tested every 6 mo. • Recorded weekly fire prevention inspections should be conducted. All sprinkler and water supply control valves should be visually inspected for the locked wide open position. • Records of all testing should be retained for review by management and visiting FM Global consultants.
The Hazard	<p>A fire starting while a sprinkler control valve is shut would be expected to quickly spread throughout this facility. The fire can grow rapidly enough, that even if the sprinkler control valve was opened, the fire would be too large to control. A regular valve inspection program has been shown to allow discovery of these improperly closed valves within an acceptable period of time and correct them before a fire starts. Also, when fire protection systems are impaired, the precautions listed in the "FM Global Red Tag Impairment Kit" should be followed.</p>
Status	<p>Mr. Mark Smith said that due to staffing issues the weekly inspections cannot be done.</p>

98-07-006

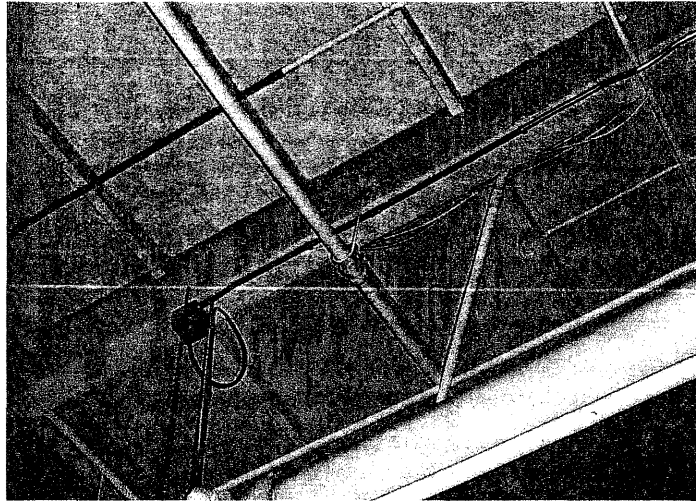
Upgrade seismic protection of sprinkler systems.

Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:

- Longitudinal and Lateral earthquake sway braces.
- Standard U-hooks and C-Clamps should be restrained.
- Suspended ceilings.
- Pipe drops.

The Hazard

Without proper bracing, automatic sprinkler pipes can shake violently during a seismic event. If the seismic event is of great magnitude, the pipes can break resulting in water damage to goods and leave the manufacturing facility without protection from a fire.



U-Hook Sprinkler Bracing

Technical Detail

Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:

- Longitudinal earthquake sway braces, spaced 80 ft. on-center, should be provided on all crossmains and feedmains. Lateral earthquake sway braces, spaced 40 ft. on-center, should be provided on all crossmains and feedmains. A lateral brace should be provided within 24 in. of every other flexible coupling. Longitudinal and lateral bracing should be provided for all changes of direction with pipe runs longer than 6 ft. A lateral brace should be present within 6 ft. of the end of the main, and a longitudinal brace should be present within 40 ft. of the end. Sway braces should be attached to significant structural members, preferably with through-bolts.

Technical Detail	<ul style="list-style-type: none"> • Standard U-hooks should be restrained by a clamp for every other hanger in gridded systems and at the end hanger of branchline piping of tree systems. C-clamps attached to beams that support sprinkler piping should be fitted with restraining straps. Sprinkler heads subject to hitting structural members should be restrained by restraining the closest hanger. • Suspended ceilings should be braced on 12 ft. intervals. • Pipe drops should be provided with a flexible coupling at the top of the drop.
Status	Mr. Mark Smith said that this will not be completed due to budgetary issues.

Risk Reduction

Recommendations that have been completed or otherwise removed are summarized in this section. **Human Element Recommendations** that have been completed often do not have an associated loss estimate since they usually serve to lower the frequency and/or severity of a loss. For this reason, we quantify them by counting the number of such items that have been completed.

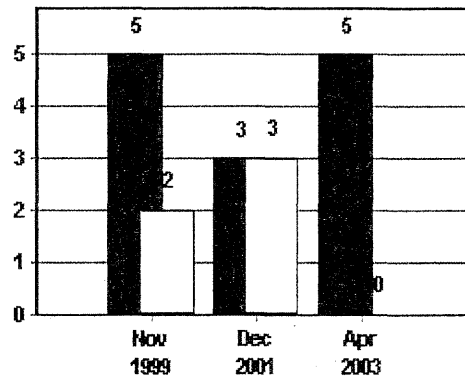
The "counts" of recommendations referenced in this section include each part of multi-part recommendations except in cases where each part represents optional ways to address a single hazard. In such cases, the recommendation is only counted once.

Physical Recommendations

No **Physical** recommendations have been completed or removed since our last evaluation.

**Physical Risk Reduction History
(Count of Recommendations)**

■ Outstanding □ Removed



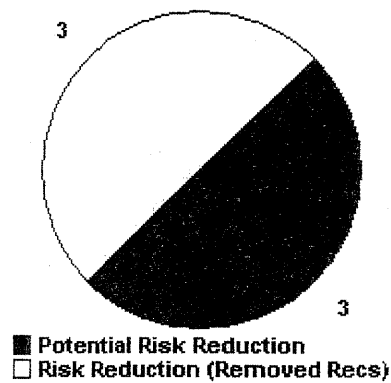
Human Element Recommendations

The following **Human Element** recommendations have been completed or removed as a result of this evaluation:

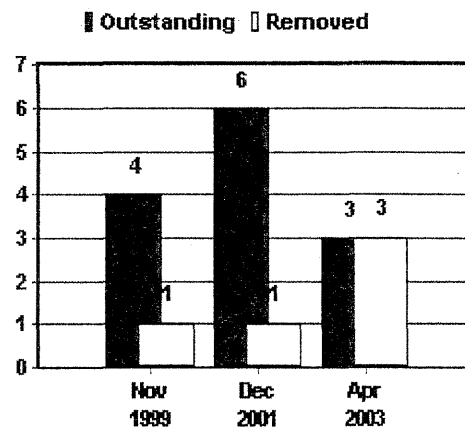
Rec Number	Recommendation Synopsis	Removal Method
01-12-002	Add Sprinkler Control Operator position to the existing Emergency Organization.	Completed 07 Apr 03
01-12-004	Lock two outside lead-in pit valves with sturdy chain in wide-open position.	Completed 07 Apr 03
97-04-013	Test flush the dry sprinkler system in accordance with FM Global standards.	Deleted * 07 Apr 03

* Recommendation 97-04-013 no longer applies since Graphics Art Center no longer occupies the building.

Human Element Risk Reduction
(Count of Recommendations)



Human Element Risk Reduction History
(Count of Recommendations)



Ongoing Services

FM Global is available to provide support in all areas of property loss prevention. These services include:

- Development of specifications for projects such as new construction, automatic protection systems, and process safeguards
- Review of related project plans
- Assistance in implementing and managing loss prevention programs
- On site review and acceptance of completed projects
- Assistance in managing impaired protection systems

For access to these services, contact one of the following:

- San Francisco Operations:
FM Global
100 Pringle Avenue
Suite 400
Walnut Creek, CA 94596
USA
[1] (925) 934 2200
- Stephen E. Marek, Account Engineer:
FM Global
540 Maryville Centre Drive, Suite 400
St. Louis, MO 63141
USA
[1] (314) 453 9660

Reference Information

Site Contact: Mr. Mark Smith, Facility Planner at [1] (503) 2247778 Ext 251

Final Conference Attendees: Mr. Mark Smith, Facility Planner

Location Index Number: 077570.93-05

Account Number: 01-30336

Risk Mark Information included in this report is current as of 30 April 2003.



Risk Report

Location Findings



Cenveo
Graphic Arts Center
2000 NW Wilson Street
Portland, Oregon 97209-1884
USA

Fire & Natural Hazards
Interim Risk Evaluation
Visit by Cynthia A. Meek on
13 July 2004 in conference with
Ms. Lynn McAndrew, Vice President of
Operations

Understanding the Hazards at this Facility

This Cenveo printing facility benefits from automatic sprinkler protection throughout and site personnel are committed to loss prevention.

However, if a fire were to involve either plastic pallets stored inside the building or flammable liquids, the sprinkler systems might not be able to control such a fire. When burned, both flammable liquids and plastic pallets produce vast amounts of heat. The sprinkler system in place is not designed to deliver the amount of water needed to cool and control such a fire. The result would be a fire growing to involve the combustible roof and potentially spread throughout the building. Such an event would cause substantial damage to building and important printing equipment.

One of the main hazards affecting this site is a fire following an earthquake. During an earthquake, differential movement between the building and natural gas piping can cause ruptures in the gas piping and subsequent gas leaks. The gas leak can be easily ignited by an ordinary ignition source such as a common light switch being turned on, resulting in a large release of heat which can ignite building materials and contents. This, coupled with the fact that emergency response from the fire department may be delayed, can result in greater than normal fire property damage.

FM Global's loss experience indicates that the frequency and severity of losses are closely tied to the commitment of management to loss prevention and their leadership in establishing appropriate human element programs. Relating to this, improvements to sprinkler system inspection and testing are needed to ensure full operation in the event of a fire. The worst fear would be to have a fire when the flow of water to the sprinkler system is obstructed by a closed control valve, meaning no water will reach the fire. Due to the large amounts of combustibles present at this location, the consequences of a non operational sprinkler system might be the total loss of building and contents.

By addressing these hazards as recommended in this report losses due to major damage and interruption to printing operations can be efficiently prevented.

Index: 077570.93-05
Account: 01-30336
Order ID: 0000547077-4

This report is strictly informational and is intended to reduce the possibility of loss to property insured by the Factory Mutual Insurance Company by bringing to your attention certain potential hazards and/or conditions. It does not imply that all other hazards or conditions are under control. You must make the decision on whether and how to address any hazard or condition. The liability of Factory Mutual Insurance Company is limited to that contained in its insurance policies. No liability or policy coverage is created by reason of this report or the inspection upon which it is based.

Understanding the Hazards at this Facility (continued)

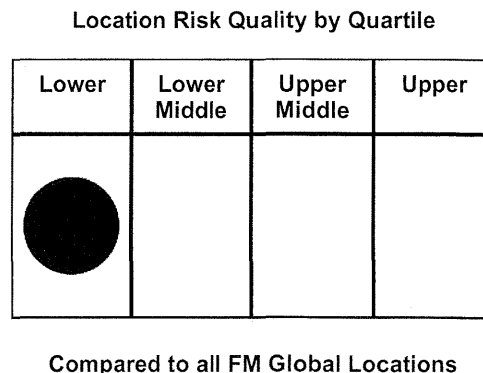
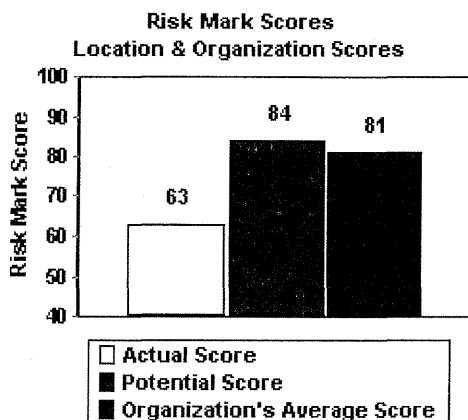
"Key Exposures" are those that can most directly impact loss experience. Associated recommendations are flagged as "Key" since they address the hazards that are most likely to lead to a serious loss.

Location Overview

The following display shows the "Risk Mark" scores calculated for this location. Risk Mark is a benchmarking tool which rates the risk quality of the associated location on a scale of 0-100 (lowest to highest quality). The Risk Mark score is calculated taking into account fire hazards, inherent natural hazards, and FM Global loss history for locations with similar occupancies.

The first chart shows the location score, the location potential score (assuming all recommendations are completed) and the organization's average score (weighted by location value). The potential score may be less than 100 because some hazards cannot be eliminated and some occupancies are inherently more hazardous; each factor can result in an automatic deduction.

To assist in comparison of this location's score relative to other FM Global locations, the second chart displays the range in quartiles of all scores for the locations FM Global has visited worldwide. The colored circle indicates in which quartile this location's score falls. For reference, the lower quartile represents the lowest range of scores and risk quality whereas the upper quartile represents the highest.



Management of Exposures

Certain potential hazards and conditions were evaluated at this facility. Completion of the following items will help lower both the frequency and severity of losses and minimize the possibility of costly interruptions to your business.

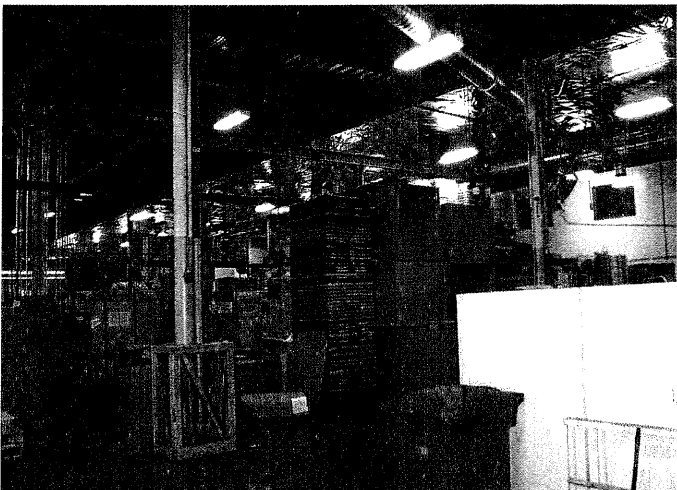
Key Exposures

Experience shows that the majority of all losses in this type of facility can be prevented or minimized by addressing the **Key Exposures**, which are flagged below.

03-04-001	<p>Provide safeguards to prevent the release of flammable gases during a seismic event.</p> <p>The following items regarding existing natural hazard deficiencies at this facility should be considered:</p>
<p>The Hazard</p>	<p>The lateral forces associated with a major earthquake often damage the integrity of gas systems, allowing gas to leak into the air. Escaping flammable gas provides ample fuel to support an explosion or supply a major fire. Typically, this flow of fuel continues unabated—a situation that frequently is worsened by concurrent breakage of unbraced automatic sprinkler piping, delayed public fire service response resulting from the need to focus on rescue operations, and the loss of fire service water supplies.</p> <div data-bbox="682 583 1360 1073" data-label="Image"> </div> <p>Natural gas-fired heater, no flex hose or bracing.</p>
<p>Part A.</p> <p>*Key Exposure*</p>	<p>Provide a seismic gas shut-off valve for the natural gas line entering the building. (Last Revised 13 July 2004)</p> <p>A seismic gas shut-off valve should be installed on the natural gas line downstream of the meter set serving each building.</p>
<p>Technical Detail</p>	<p>An in-line valve that meets the requirements of ASCE 25-97 or is listed with the State of California/ City of Los Angeles should be installed per manufacturer's instructions and in a manner that the valve sensing device responds to earthquake ground motion. The valve and sensing means should be attached to a rigid mounting or braced to the protected structure.</p>
<p>Status</p>	<p>According to Mr. Smith this recommendation is in process and will be completed at next plant shut down.</p>

Part B.	<p>Provide equipment restraint and flexible hose connections to all natural gas-fired equipment. (Last Revised 13 July 2004)</p> <p>For equipment supplied with bulk flammable gas, provide equipment restraint and/or flexibility in flammable gas supply pipe connection.</p>
Technical Detail	At least 6 in. open slack should be provided in the flexible gas connection.
Status	According to Mr. Smith this recommendation is in process and will be completed at next plant shut down.

<p>98-07-003</p> <p>*Key Exposure*</p>	<p>Lower the storage height of plastic pallets. (Last Revised 13 July 2004)</p> <p>Storage of plastic postal pallets should be arranged as follows:</p> <ul style="list-style-type: none"> • Indoor plastic pallets should be located in a 2 hr. fire rated Cut-off Room with sprinkler protection of 0.60 gpm/sq. ft. over the entire room. The room should be less than 1,000 sq. ft. • Outdoor plastic pallet storage should be located 20 ft. from a concrete wall with no openings. Groups of pallets containing 50 to 200 pallets should be separated by 40 ft. horizontal distance.
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The Hazard	<p>Pallet storage contributes a large amount of fuel to a fire. A fire involving pallet storage will produce large amounts of heat and smoke, causing extensive damage to the building and contents. The heat release will fuse more sprinkler heads at the ceiling than the system was designed for and overtax the water supply. The sprinklers would not be able to function properly and the fire could grow out of control. Inadequate storage arrangement and protection of plastic pallets present a major fire hazard, with the potential of causing substantial damage to property and interruption of business at this Cenveo location.</p>
	
	Plastic Pallets
Status	<p>Mr. Smith suggested that storing pallets in trailers outside the building might be possible and would look into this alternative.</p>
04-07-001	Improve flammable liquids handling.
The Hazard	<p>Flammable liquids present an extreme fire hazard. If released, the vapors are easily ignited by hot surfaces, and burn intensely. Because they are liquid the fire will easily spread. If the fire involves the combustible roof, little can be done to prevent major damage to both building and contents and result in months of lost business operations. A fire like this would compromise the sprinkler systems performance, since it is not designed to deliver enough water to control a fire involving flammable liquids without additional precautions. This hazard will be reduced by proper handling and storage of all flammable liquids as outlined.</p>

Part A.

Key Exposure

Provide self closing metal dispensers on 55 gal. oil storage drums.

Plastic dispensers currently used on 55 gal. oil drums should be replaced by FM Approved self closing metal dispensers. Also, provide safety bungs for oil drums arranged for on-side dispensing.



**Right; drum with plastic dispenser without self closing mechanism.
Left; the recommended dispenser.**

Status

According to Mr. Mark Smith, the recommendation will be completed by September 2004.

Part B.

Provide curbing around oil drum dispensing area.

Provide emergency containment for combustible liquid storage areas (oil drum storage) protected by overhead automatic sprinklers.

The Hazard

Automatic sprinkler protection is the first line of defense for controlling temperatures in a flammable liquid fire. During a fire involving the oil storage, sprinklers work to cool the surrounding area. Spilled oil will float on top of the sprinkler discharge and may continue to burn and spread to other areas of the plant. Containment such as curbing can protect surrounding areas by controlling the released liquid and sprinkler discharge.

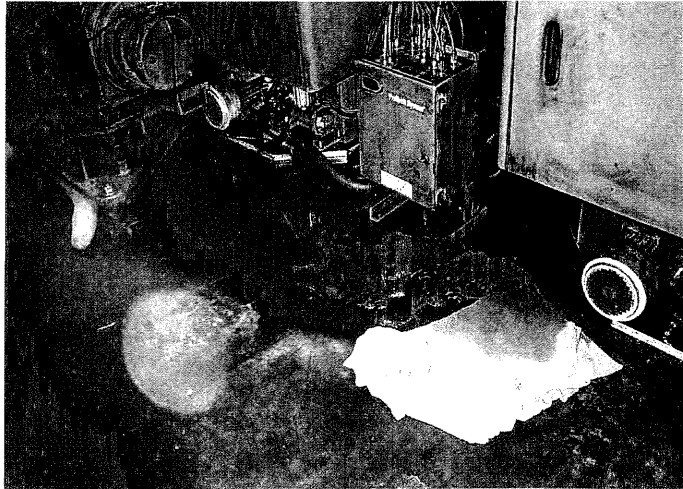
Technical Detail

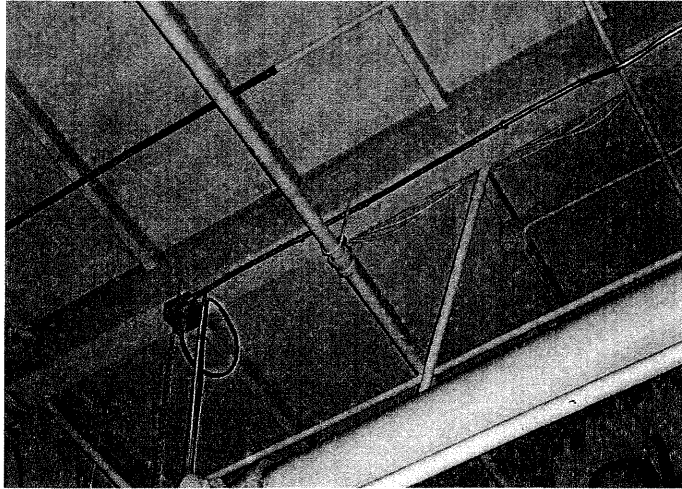
The curbing area should completely surround the oil storage area with a watertight material to a minimum height of 4 in.

Status

The final conference did not focus on this recommendation.

01-12-001	Install an emergency shut-off safety interlock on both balers to shut down hydraulic pumps.
Key Exposure	The two waste paper balers should be fitted with safety interlock devices. The safety interlock should automatically shut down the baler and hydraulic pumps upon detection of heat from a fire.
The Hazard	The balers have approximately 300 gal. of petroleum-based hydraulic fluid. A pinhole leak in the hose could create a fire potential. Atomized hydraulic fluid would be released into the surrounding area and any hot surface or electrical outlet could ignite the fluid causing a "flame thrower" type fire. Once the fluid is ignited, without a way to automatically shut down the system, the pump would continue to add atomized hydraulic fluid to the fire. Any surrounding combustible loading such as paper or plastics will soon become involved. It is not impossible to consider the wood constructed roof also becoming involved in the fire. This fire would result in heavy equipment and stock damage, with prolonged downtime.
Technical Detail	An electrical contractor or in-house electrician should be consulted to fit the system with a 286 F fusible solder link at the ceiling. This link should melt during a fire and be interlocked to the baler's emergency stop circuit, causing it to shut down automatically.
Status	According to Mr. Smith this recommendation is in process and will be completed at next plant shut down.
97-04-010	Develop supervision and maintenance programs for the automatic sprinkler systems. <ul style="list-style-type: none"> • All sprinkler system waterflow alarms should be tested monthly. All supervisory signals such as sprinkler control valve tamper, etc., may be tested every 6 months. • Recorded, weekly fire prevention inspections should be conducted. All sprinkler and water supply control valves should be visually inspected for the locked wide open position. • Records of all testing should be retained for review by management and visiting FM Global Consultants.

The Hazard	<p>A fire starting while a sprinkler control valve is shut would be expected to quickly spread throughout this facility. The fire can grow rapidly enough, that even if the sprinkler control valve was re-opened, the fire would be too large to control. A regular valve inspection program has been shown to allow discovery of these improperly closed valves within an acceptable period of time and correct them before a fire starts.</p>
Status	<p>According to Ms. Lynn McAndrew, the recommendation will be completed by November 2004.</p>
01-12-003	<p>Remove deposits on web press motor housing and paper dust accumulation in electrical panel room.</p> <p>Housekeeping should be improved around the presses and Electrical Panel Room. In the press area, the oily deposits around the motor casings and overhead pipe should be cleaned. In the Electrical Room, the paper dust should be cleaned from panels and monitored for future deposits.</p>
The Hazard	<p>A spark originating in the press motor could catch the oily deposits around the motor casing on fire. Due to this added fuel a fire could grow larger then anticipated requiring a greater number of sprinkler heads to control the fire and causing damage to the press and surrounding room. In addition, non-thermal damage (water) from the sprinklers could destroy paper storage and create additional clean-up.</p> <div data-bbox="682 966 1360 1453"></div> <p>Oily deposits under M600 press.</p>
Technical Detail	<p>During this visit it was noted that oily fluids had been leaking under the press and accumulated on the floor.</p>

Status	Mr. Smith acknowledged the hazard but said that with current manpower it might take some time to implement.
98-07-006	<p>Upgrade seismic protection of sprinkler systems.</p> <p>Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:</p> <ul style="list-style-type: none">• Longitudinal and Lateral earthquake sway braces.• Standard U-hooks and C-Clamps should be restrained.• Suspended ceilings.• Pipe drops.
The Hazard	<p>Without proper bracing, automatic sprinkler pipes can shake violently during a seismic event. If the seismic event is of great magnitude, the pipes can break resulting in water damage to goods and leave the manufacturing facility without protection from a fire.</p>  <p>U-Hook sprinkler bracing.</p>
Technical Detail	Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:

Technical Detail	<ul style="list-style-type: none"> • Longitudinal earthquake sway braces, spaced 80 ft. on-center, should be provided on all crossmains and feedmains. Lateral earthquake sway braces, spaced 40 ft. on-center, should be provided on all crossmains and feedmains. A lateral brace should be provided within 24 in. of every other flexible coupling. Longitudinal and lateral bracing should be provided for all changes of direction with pipe runs longer than 6 ft. A lateral brace should be present within 6 ft. of the end of the main, and a longitudinal brace should be present within 40 ft. of the end. Sway braces should be attached to significant structural members, preferably with through-bolts. • Standard U-hooks should be restrained by a clamp for every other hanger in gridded systems and at the end hanger of branchline piping of tree systems. C-clamps attached to beams that support sprinkler piping should be fitted with restraining straps. Sprinkler heads subject to hitting structural members should be restrained by restraining the closest hanger. • Suspended ceilings should be braced on 12 ft. intervals. • Pipe drops should be provided with a flexible coupling at the top of the drop.
Status	Mr. Mark Smith said that this will not be completed due to budgetary issues.

Risk Reduction

Recommendations that have been completed or otherwise removed are summarized in this section. Risk Reduction involving **Physical Recommendations** is quantified in this report by counting the completed recommendations.

The "counts" of recommendations referenced in this section include each part of multi-part recommendations except in cases where each part represents optional ways to address a single hazard. In such cases, the recommendation is only counted once.

Physical Recommendations

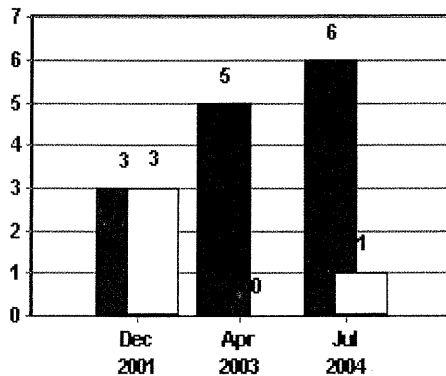
The following **Physical** recommendation has been completed or removed as a result of this evaluation:

Rec Number	Recommendation Synopsis	Removal Method
99-11-001	Improve flammable liquids handling.	Completed 13 Jul 04

Physical Recommendations (continued)

Physical Risk Reduction History
(Count of Recommendations)

■ Outstanding □ Removed

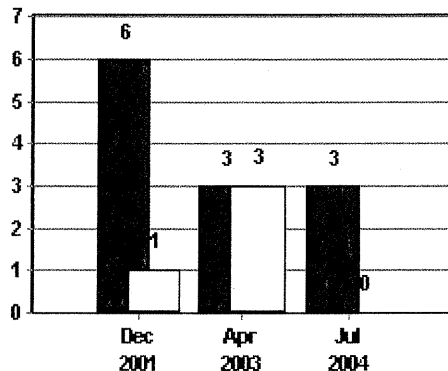


Human Element Recommendations

No **Human Element** recommendations have been completed or removed since our last evaluation.

Human Element Risk Reduction History
(Count of Recommendations)

■ Outstanding □ Removed



Comments

During this visit, a number of issues relating to general housekeeping was raised. It is recommended that housekeeping operations are reviewed and improved to ensure:

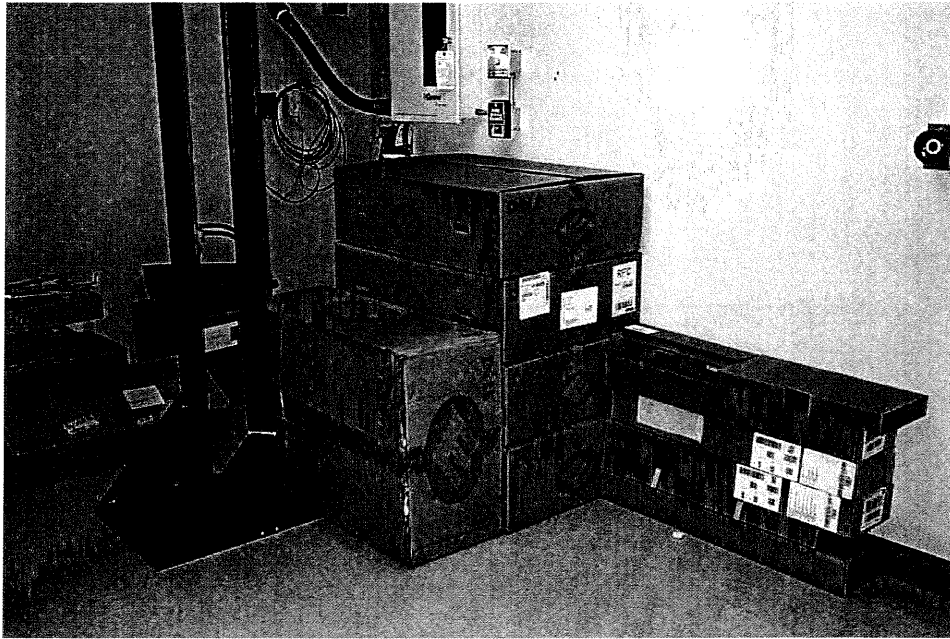
- Combustible storage in the computer room is removed (see picture below for reference).
- Fire doors are not obstructed by paper rolls.
- Accumulation of dust on sprinkler heads is removed.

When testing the waterflow alarms on riser 3 the monitoring company failed to get a alarm signal. According to Mr. Smith this would be promptly addressed and necessary actions taken.

Comments (continued)

It was noted that a flammable liquids cabinet was not provided in the maintenance area. Although only limited amounts are present, any flammable liquids or aerosols in this area should be stored in a FM Approved flammable liquids cabinet.

The newly installed valves in street pit should be chained and locked in the wide-open position. Mr. Smith agreed to do this shortly.



Combustible storage in Computer Room.

Ongoing Services

FM Global is available to provide support in all areas of property loss prevention. These services include:

- Development of specifications for projects such as new construction, automatic protection systems, and process safeguards
- Review of related project plans
- Assistance in implementing and managing loss prevention programs
- On site review and acceptance of completed projects
- Assistance in managing impaired protection systems

For access to these services, contact one of the following:

- Seattle Office:
Key Center
601 108th Avenue, N.E.
Suite 1400
Bellevue, WA 98004
USA
[1] (425) 455 5333
- Stephen E. Marek, Account Engineer:
FM Global
540 Maryville Centre Drive, Suite 400
St. Louis, MO 63141
USA
[1] (314) 453 9660

Reference Information

Site Contact: Mr. Mark Smith, Facility Planner at [1] (503) 2247778 Ext 251

Final Conference Attendees: Ms. Lynn McAndrew, Vice President of Operations; Mr. Mark Smith, Facility Planner

Other Contributing Engineers: Tobias Ekberg

Location Index Number: 077570.93-05

Account Number: 01-30336

Risk Mark Information included in this report is current as of 21 July 2004.



Risk Report

Location Findings



Mail-well, Inc.
Graphic Arts Center
2000 NW Wilson Street
Portland, Oregon 97209-1884
USA

Fire & Natural Hazards
Special Risk Evaluation
Visit by Cynthia A. Meek on
02 September 2004 in conference with
Ms. Lynn McAndrew, Vice President of
Operations

Visit Objective

The primary intent of this visit was to follow up on Loss Prevention Recommendations discussed during the last interim site visit on July 13, 2004. Significant risk reduction has occurred since the last visit as demonstrated by the completion of several recommendations.

Continued loss prevention risk improvement is planned for the near future. Mr. Smith indicated that safety valves and bungs are on order for all oil dispensing areas, curbing or containment is planned for all drums during the upcoming relocation of the dispensing rack.

Additional risk improvement will be accomplished by the installation of the seismic gas shutoff valve that will be installed during the November, 2004 plant shutdown.

"Key Exposures" are those that can most directly impact loss experience. Associated recommendations are flagged as "Key" since they address the hazards that are most likely to lead to a serious loss.

Index: 077570.93-05
Account: 01-30336
Order ID: 0000547077-9

This report is strictly informational and is intended to reduce the possibility of loss to property insured by the Factory Mutual Insurance Company by bringing to your attention certain potential hazards and/or conditions. It does not imply that all other hazards or conditions are under control. You must make the decision on whether and how to address any hazard or condition. The liability of Factory Mutual Insurance Company is limited to that contained in its insurance policies. No liability or policy coverage is created by reason of this report or the inspection upon which it is based.

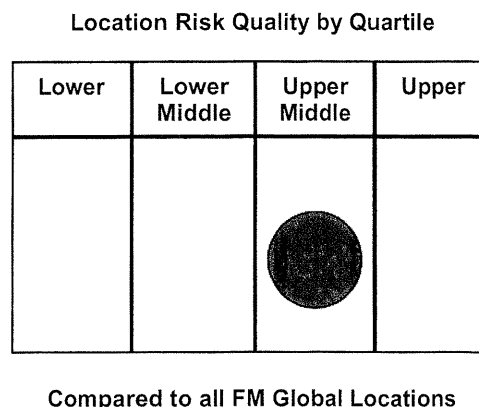
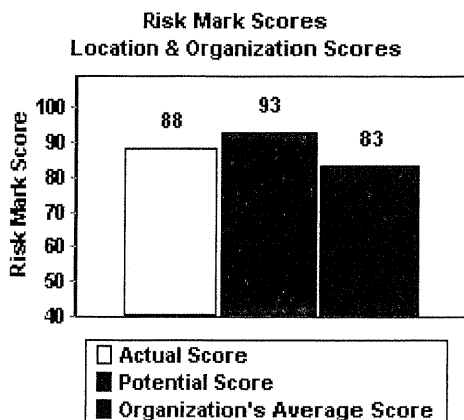
Risk Mark (Risk Quality Benchmarking)

Overall Risk Mark Scores

Through the analysis of various components of loss prevention, FM Global has rated the risk quality of this facility against:

- Other locations in your organization
- Thousands of other FM Global insured locations

A "Risk Mark" score on a scale of 0-100 has been calculated for all of these locations. The higher this score, the better the risk quality. Scores are calculated using fire, natural hazard, and occupancy specific hazards in an algorithm that accurately tracks with loss history. Thus, locations with lower scores are more likely to have large losses. The relative comparison of risk quality of various entities can be seen in the following charts.



The first chart above shows this location's score relative to the average score in your organization. The location score of 88 is above the average of 83 for your organization. This average is based on visits to 79 locations as of 10 September 2004. Also in this chart is the location's "Potential Score". This is the highest possible score at this facility assuming all recommendations are completed. The "Potential Score" is less than 100 in most cases since there are inherent site and occupancy specific exposures that impact the rating (natural hazard exposures, for example).

The second chart illustrates how your Risk Mark score compares to other locations that we have visited. This graph uses a percentile scale to show this location's relative ranking of risk quality. The percentile scale is divided into four sections (quartiles) so that qualitative ratings can be applied. **The location's score is within the "Upper Middle" quartile compared to other FM Global locations.**

There is a direct correlation between loss experience and Risk Mark scores. Total losses at locations in the "Lower" quartile are over 8 times higher than those in the "Upper" quartile. Similarly, losses occur at locations in the "Lower" quartile more than twice as often as they do at locations in the "Upper" quartile.

The Risk Mark scores and averages are estimates based on the available information at the time of this evaluation. The results are subject to further engineering analysis. Your Account Engineer can provide additional details upon request.

Management of Exposures

Certain potential hazards and conditions were evaluated at this facility. Completion of the following items will help lower both the frequency and severity of losses and minimize the possibility of costly interruptions to your business.

Key Exposures

Experience shows that the majority of all losses in this type of facility can be prevented or minimized by addressing the **Key Exposures**, which are flagged below.

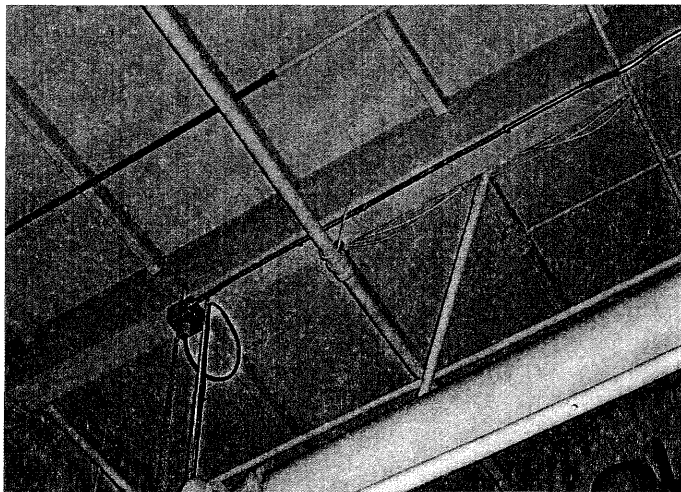
03-04-001	<p>Provide safeguards to prevent the release of flammable gases during a seismic event.</p> <p>The following items regarding existing natural hazard deficiencies at this facility should be considered:</p>
The Hazard	<p>The lateral forces associated with a major earthquake often damage the integrity of gas systems, allowing gas to leak into the air. Escaping flammable gas provides ample fuel to support an explosion or supply a major fire. Typically, this flow of fuel continues unabated—a situation that frequently is worsened by concurrent breakage of unbraced automatic sprinkler piping, delayed public fire service response resulting from the need to focus on rescue operations, and the loss of fire service water supplies.</p>
Part A. *Key Exposure*	<p>Provide a seismic gas shut-off valve for the natural gas line entering the building.</p> <p>A seismic gas shut-off valve should be installed on the natural gas line downstream of the meter set serving each building.</p>
Technical Detail	<p>An in-line valve that meets the requirements of ASCE 25-97 or is listed with the State of California/ City of Los Angeles should be installed per manufacturer's instructions and in a manner that the valve sensing device responds to earthquake ground motion. The valve and sensing means should be attached to a rigid mounting or braced to the protected structure.</p>
Status	<p>According to Mr. Smith this recommendation is in process and will be completed during the 2004 Thanksgiving shutdown.</p>

04-07-001	Improve flammable liquids handling.
The Hazard	Flammable liquids present an extreme fire hazard. If released, the vapors are easily ignited by hot surfaces, and burn intensely. Because they are liquid the fire will easily spread. If the fire involves the combustible roof, little can be done to prevent major damage to both building and contents and result in months of lost business operations. A fire like this would compromise the sprinkler systems performance, since it is not designed to deliver enough water to control a fire involving flammable liquids without additional precautions. This hazard will be reduced by proper handling and storage of all flammable liquids as outlined.
Part A. *Key Exposure*	Provide self closing metal dispensers on 55 gal. oil storage drums. Plastic dispensers currently used on 55 gal. oil drums should be replaced by FM Approved self closing metal dispensers. Also, provide safety bungs for oil drums arranged for on-side dispensing. <div data-bbox="680 730 1352 1218" data-label="Image"> </div> <p>Right; drum with plastic dispenser without self closing mechanism. Left; the recommended dispenser.</p>
Status	Mr. Smith will see that this is completed.
Part B.	Provide curbing around oil drum dispensing area. Provide emergency containment for combustible liquid storage areas (oil drum storage) protected by overhead automatic sprinklers.

The Hazard	Automatic sprinkler protection is the first line of defense for controlling temperatures in a flammable liquid fire. During a fire involving the oil storage, sprinklers work to cool the surrounding area. Spilled oil will float on top of the sprinkler discharge and may continue to burn and spread to other areas of the plant. Containment such as curbing can protect surrounding areas by controlling the released liquid and sprinkler discharge.
Technical Detail	The curbing area should completely surround the oil storage area with a watertight material to a minimum height of 4 in.
Status	Mr. Smith indicated that this curbing or other containment will be provided when the oil storage rack is relocated.

01-12-003	<p>Remove deposits on web press motor housing and paper dust accumulation in Electrical Panel Room.</p> <p>Housekeeping should be improved around the presses and Electrical Panel Room. In the press area, the oily deposits around the motor casings and overhead pipe should be cleaned. In the Electrical Room, the paper dust should be cleaned from panels and monitored for future deposits.</p>
The Hazard	<p>A spark originating in the press motor could catch the oily deposits around the motor casing on fire. Due to this added fuel a fire could grow larger than anticipated requiring a greater number of sprinkler heads to control the fire and causing damage to the press and surrounding room. In addition, non-thermal damage (water) from the sprinklers could destroy paper storage and create additional clean-up.</p> <div data-bbox="680 1085 1352 1575" data-label="Image"> </div> <p>Oily deposits under M600 press.</p>

Technical Detail	During this visit it was noted that oily fluids had been leaking under the press and accumulated on the floor.
Status	This was discussed with Ms. McAndrew who said this would be incorporated into the existing operations PM schedule.

98-07-006	<p>Upgrade seismic protection of sprinkler systems.</p> <p>Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:</p> <ul style="list-style-type: none"> • Longitudinal and Lateral earthquake sway braces. • Standard U-hooks and C-Clamps should be restrained. • Suspended ceilings. • Pipe drops.
The Hazard	<p>Without proper bracing, automatic sprinkler pipes can shake violently during a seismic event. If the seismic event is of great magnitude, the pipes can break resulting in water damage to goods and leave the manufacturing facility without protection from a fire.</p>  <p>U-Hook sprinkler bracing.</p>
Technical Detail	Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:

Technical Detail	<ul style="list-style-type: none">• Longitudinal earthquake sway braces, spaced 80 ft. on-center, should be provided on all cross and feedmains. Lateral earthquake sway braces, spaced 40 ft. on-center, should be provided on all crossmains and feedmains. A lateral brace should be provided within 24 in. of every other flexible coupling. Longitudinal and lateral bracing should be provided for all changes of direction with pipe runs longer than 6 ft. A lateral brace should be present within 6 ft. of the end of the main, and a longitudinal brace should be present within 40 ft. of the end. Sway braces should be attached to significant structural members, preferably with through-bolts.• Standard U-hooks should be restrained by a clamp for every other hanger in gridded systems and at the end hanger of branchline piping of tree systems. C-clamps attached to beams that support sprinkler piping should be fitted with restraining straps. Sprinkler heads subject to hitting structural members should be restrained by restraining the closest hanger.• Suspended ceilings should be braced on 12 ft. intervals.• Pipe drops should be provided with a flexible coupling at the top of the drop.
Status	Mr. Mark Smith said that this will not be completed due to budgetary issues.

Comments

Risk improvement since the last visit is noted as the completion of the following recommendations:

03-04-001B: Natural gas-fired equipment has been fitted with restraint and flexible gas connections.

98-07-003: Indoor plastic pallet storage has been lowered to below 3 ft.

01-12-001: Christensen Electric has installed a safety interlock on both waste paper balers to shut down the hydraulic pumps in the event of a fire.

97-04-010: Mr. Smith has implemented a weekly self inspection routine for all sprinkler control valves and a monthly waterflow alarm test. Documentation is kept on site.

Additionally, all sprinkler control valves are locked open including the newly installed backflow prevention pit valves.

Ongoing Services

FM Global is available to provide support in all areas of property loss prevention. These services include:

- Development of specifications for projects such as new construction, automatic protection systems, and process safeguards
- Review of related project plans
- Assistance in implementing and managing loss prevention programs
- On site review and acceptance of completed projects
- Assistance in managing impaired protection systems

For access to these services, contact one of the following:

- Seattle Office:
Key Center
601 108th Avenue, N.E.
Suite 1400
Bellevue, WA 98004
USA
[1] (425) 455 5333
- Stephen E. Marek, Account Engineer:
FM Global
540 Maryville Centre Drive, Suite 400
St. Louis, MO 63141
USA
[1] (314) 453 9660

Reference Information

Site Contact: Mr. Mark Smith, Facility Planner at [1] (503) 2247778 Ext 251

Final Conference Attendees: Ms. Lynn McAndrew, Vice President of Operations; Mr. Mark Smith, Facility Planner

Location Index Number: 077570.93-05

Account Number: 01-30336

Risk Mark Information included in this report is current as of 10 September 2004.



Factory Mutual Insurance Company
540 Maryville Centre Drive, Suite 400
St. Louis, MO 63141-5819 USA
T: (314) 453-9660 F: (314) 453-9559 www.fmglobal.com

September 23, 2005

Ms. Lynn McAndrew, Vice President of Operations
Cenveo, Inc.
Cenveo Gac - Portland
2000 Northwest Wilson Street
Portland, OR 97209-1884

RE: FM Global – All in One Interim Risk Evaluation
Cenveo, Inc.
“Cenveo Gac - Portland”
Portland, OR
Index No. 77570.93
Account No. 1-30336

Dear Ms. McAndrew:

Enclosed for your review and distribution are copies of our FM Global Loss Prevention Report dated August 19, 2005 regarding the subject location.

I am pleased to note that 2 recommendations have been reported complete and removed from the face of the report. Please pass on our appreciation to local management for their efforts in completing these items.

Recommendations 05-8-1 through 05-8-12, 04-7-1, 01-12-3 and 98-7-6 are being offered and are in need of attention at this time. Please provide our office with the current status of these items within 30 days. Also send a copy of your responses to Valerie Buckless at the Corporate Office.

If you should have any questions or comments regarding this report, please do not hesitate to call me. Thank you for your assistance.

Sincerely,

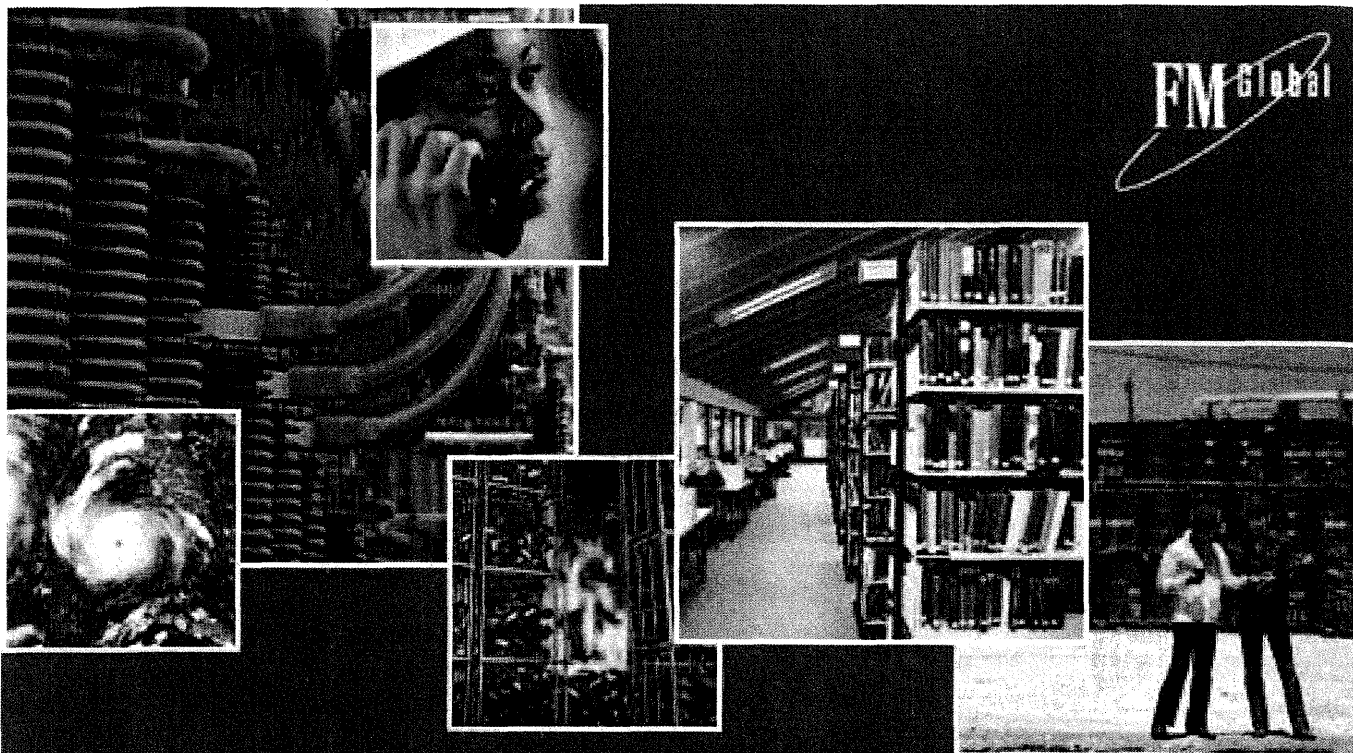
Stephen E. Marek

Stephen E. Marek
Senior Account Engineer

SEM/dms

Enclosures

cc: Patricia Chapman / Valerie Buckless / Frank Lyon / Jean Kabele / James Pistor /
Terry Thomas / STL-OPS / FM-Seattle



FM Global Risk Report

Location Findings Cenveo Inc.

Cenveo Gac - Portland
2000 NW Wilson Street
Portland, Oregon 97209-1884
USA

All in One Interim Risk Evaluation

Visit by: James W. Pistor
Visit date: 19 August 2005
Conference with: Ms. Lynn McAndrew, Vice President of Operations

Index: 077570.93-05 / Account: 1-30336 / Order ID: 547077-12

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Principal Site Activity

This site is a printing company specializing in brochures.

Understanding the Hazards at this Facility

In the printing industry, fires account for 37% of the losses in the industry. The use of solvents with a low flash point and large quantities of paper storage are common hazards at a printing operation. A fire involving these materials present a high fire challenge for any protection system, and if the fire gets out of control it can burn the facility to the ground. It would take at least a year to rebuild this facility after such a disastrous fire. During this time, customers would have to go to other printers in the area. These customers may develop new relationships with other printers and may not return to Cenveo after the facility is rebuilt. This could result in a long term loss or market share.

To ensure that the fire protection system is ready to respond to a fire, Cenveo performs regular valve inspections. Ensuring an adequate water supply for the fire protection service is a major factor in preventing an uncontrolled fire; however, excessive roll paper storage heights, flammable liquid storage / handling issues, and staging arrangement of unused pallets, all could create a fire with enough fuel to overwhelm the existing sprinkler system. If this happens, the combustible construction and contents of the buildings could allow the fire to spread throughout all the buildings in this facility.

In the printing industry, natural hazard related losses account for 23% of all the losses in the industry. Damage during an earthquake is one of the primary natural hazards present at this site. During an earthquake, differential movement between the building and natural gas piping can cause ruptures in the gas piping and subsequent gas leaks. These gas leaks can be easily ignited by ordinary ignition sources such as lights and heaters, and once ignited would result in a natural gas-fed fire.

Due to the seismic bracing deficiencies of the fire protection sprinklers, it is likely that the sprinkler system would not be available to combat the fire. Cenveo has taken some major steps to mitigate the hazards of a fire following an earthquake by installing seismic gas shut off valves, which will automatically shut off the flow of gas during an earthquake. Suspended heaters have been seismically braced to prevent excessive movement. Providing seismic bracing on the larger gas lines and sprinkler lines are two remaining steps that could be taken to protect this facility in the event of an earthquake.

"Key Exposures" are those that can most directly impact loss experience. Associated recommendations are flagged as "Key" since they address the hazards that are most likely to lead to a serious loss.

This report is strictly informational and is intended to reduce the possibility of loss to property insured by the Factory Mutual Insurance Company by bringing to your attention certain potential hazards and/or conditions. It does not imply that all other hazards or conditions are under control. You must make the decision on whether and how to address any hazard or condition. The liability of Factory Mutual Insurance Company is limited to that contained in its insurance policies. No liability or policy coverage is created by reason of this report or the inspection upon which it is based.

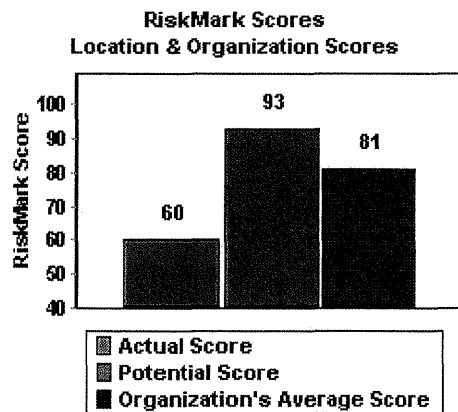
Location Overview

The following display shows the "RiskMark" scores calculated for this location. RiskMark is a benchmarking tool which rates the risk quality of the associated location on a scale of 0-100 (lowest to highest quality). The RiskMark score is calculated taking into account fire hazards, inherent natural hazards, and FM Global loss history for locations with similar occupancies.

Note: RiskMark does not currently include equipment hazards in the scoring calculations; however, future versions will incorporate this aspect of risk quality.

The first chart shows the location score, the location potential score (assuming all recommendations are completed) and the organization's average score (weighted by location value). The potential score may be less than 100 because some hazards cannot be eliminated and some occupancies are inherently more hazardous; each factor can result in an automatic deduction.

To assist in comparison of this location's score relative to other FM Global locations, the second chart displays the range in quartiles of all scores for the locations FM Global has visited worldwide. The checkmark indicates in which quartile this location's score falls. For reference, the lower quartile represents the lowest range of scores and risk quality whereas the upper quartile represents the highest.



Location Risk Quality by Quartile*

Upper	
Upper Middle	
Lower Middle	
Lower	✓

*Compared to all FM Global Locations

Further information on RiskMark can be found online at:
<http://www.fmglobal.com/myrisk/riskmark.pdf>



Management of Exposures

Certain potential hazards and conditions were evaluated at this facility. Completion of the following items will help lower both the frequency and severity of losses and minimize the possibility of costly interruptions to your business.

Included are only those recommendations considered relevant to this visit; this is not a list of all recommendations for this location.

Key Exposures

Experience shows that the majority of all losses in this type of facility can be prevented or minimized by addressing the **Key Exposures**, which are flagged below.

05-08-001

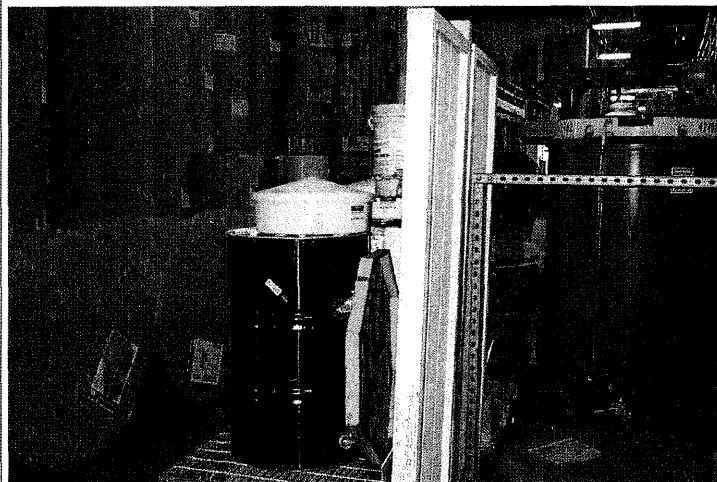
Move the solvent and oil waste drums away from the roll paper storage area.

Key

Flammable liquids should be handled and stored away from combustible storage.

The Hazard

The waste drums of solvent and oil could easily be upset while handling the drums or knocked over when handling the nearby roll paper. On hot days, the temperature inside the building could be near or above the flash point of the waste solvent. Since a full drum of solvent could create a spill 35 feet in diameter, the spill could flow into the roll paper storage area. The flammable vapors from the spill could be easily ignited by the many ignition sources on the print floor. Once ignited, a large portion of the roll paper storage could be rapidly involved in the fire. This fire would likely be well beyond the ability of the sprinkler system to control, or even slow down. Once the fire involves the roof, it could spread from through out all buildings resulting in the loss of the facility.



Waste solvent stored next to Paper Storage.

Technical Detail

The flash point of the unused solvent is 105 F. The flash point of the waste solvent may be lower.

05-08-001 continued

Technical Detail	The presence of the roll paper handling equipment near the drums increases the likelihood that these drums could be knocked over during normal operations. Installing barriers to protect the drums from impact would help to reduce the likelihood of these drums being knocked over and spilling their contents.
Status	Mr. Jeff Anderson indicated that the location of these barrels is mandated by DEQ, and therefore relocating the barrels is unlikely.

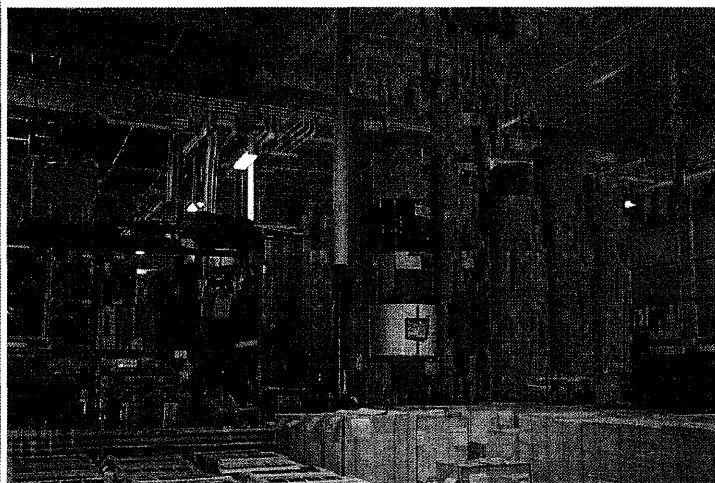
05-08-002

Key

Lower the roll paper storage height in the Warehouse (Building 2).

1. Reduce the roll paper storage height for paper that can be protected as heavy weight paper to 16 ft.
2. Reduce the roll paper storage height for the medium weight paper to 11 ft.

The Hazard	Paper burns so easily that many people use it for kindling. Roll paper storage presents an especially hazardous arrangement, since it burns fast and furious. Fire spreading up the side of a paper column quickly burns through the outer layer. The roll of paper can then unwind or peel, which rapidly increases the amount of burning surfaces. This results in a very hot fire that spreads rapidly to adjacent rolls and combustibles. The efficiency of the sprinklers are reduced in a roll paper fire because as the outer layers are wet by the sprinklers they slough off exposing more dry paper to the fire. Therefore, it is critical to limit the storage heights of the roll paper so that the sprinklers can deliver enough water to control the fire and prevent it from spreading though out the facility.
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**Roll Paper Storage up to 21 feet.**

Technical Detail	<p>The paper used at Cenveo is medium weight paper, and the existing sprinkler system in the Warehouse can protect this type of roll paper stored to a maximum height of 11 ft.</p> <p>Heavy weight roll paper presents less of a challenge to the sprinkler system during a fire, because it burns a little slower and the sprinklers have more time to</p>
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05-08-002 continued

Technical Detail	<p>wet the surrounding paper. It is possible to reduce the fire challenge of medium weight roll paper to that of heavy weight paper. Any of the following options will allow medium weight paper to be protected as heavy weight paper.</p> <ul style="list-style-type: none"> • The sides and ends of the roll are wrapped with a minimum of a single layer of heavy weight paper weighing at least 40 lb./1,000 sq. ft. • The sides and ends of the roll are wrapped with a minimum of two layers of heavy weight paper weighing at least 20 lb./1,000 sq. ft. • The sides of the roll are wrapped with a minimum of a single layer of heavy weight paper weighing at least 40 lb./1,000 sq. ft. and are banded with steel straps. • The sides and ends of the roll are wrapped with a minimum of two layers of heavy weight paper weighing at least 20 lb./1,000 sq. ft. and are banded with steel straps.
Status	According to Ms. Lynn McAndrew, the recommendation will be studied for possible completion.

04-07-001

Improve flammable liquids handling.

The Hazard	Flammable liquids present an extreme fire hazard. If released, the vapors are easily ignited by hot surfaces, and burn intensely. Because they are liquid the fire will easily spread. If the fire involves the combustible roof, little can be done to prevent major damage to both building and contents and result in months of lost business operations. A fire like this would compromise the sprinkler systems performance, since it is not designed to deliver enough water to control a fire involving flammable liquids without additional precautions. This hazard will be reduced by proper handling and storage of all flammable liquids as outlined.
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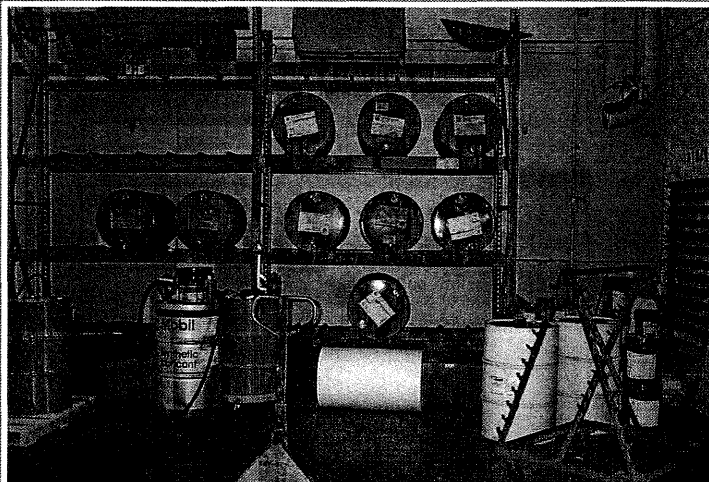
Part B.
Key

Provide containment for the oil drums. (Last Revised 19 August 2005)

Provide non-combustible emergency containment for combustible liquid storage areas.

04-07-001B continued

The Hazard



Plastic or no containment under oil drums

Technical Detail

- The curbing area should completely surround the oil storage area with a non-combustible and watertight material to a minimum height of 4 in.
- Cenveo has installed plastic containment under the oil drums.

Status

Mr. Smith indicated that the plastic containment would be replaced with a non-combustible containment.

01-12-003

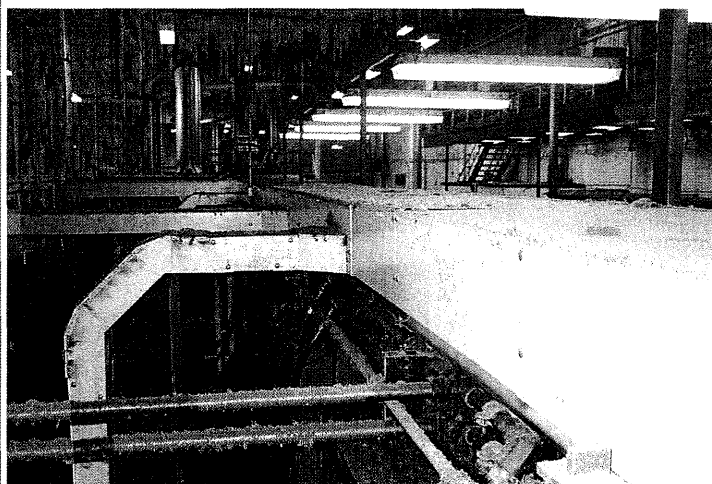
Remove deposits on web press, motor housings, and paper dust accumulation in Electrical Panel Room. (Last Revised 19 August 2005)

Establish a housekeeping program that maintains the dust accumulation on horizontal surfaces less than 1/8 of an inch.

01-12-003 continued

The Hazard

Paper dust is much easier to ignite than paper in a sheet form. Electrical faults, overheated components, and sparks from static or friction all could provide the necessary energy to ignite the dust. When dust deposits are heavy enough, a fire involving the dust tends to "flash" across the dusty surface. Rapidly spreading fires involving large areas of dust could easily out run the sprinkler system and ignite nearby combustibles. The sprinkler system is not designed to control multiple fires over such a large area, and could be overwhelmed. This would allow the fires to grow and spread to the nearby combustible ink, oil, and paper storage. At this point, it is likely that the fire would continue to grow and spread from building to building resulting in the loss of the entire facility.



Dust accumulation on the wireways above the M600

Status

Oily deposits around the press have been cleaned up and the major electrical panels have very little dust accumulation on them. This is an improvement over the conditions found during the previous visit. Cenveo will consider further improvement.

05-08-003

Store the pallets awaiting use in a manner consistent with the existing fire protection systems.

To ensure that the pallets awaiting use are stored in a manner that will be protected by the existing fire protection systems, they should be stored as follows.

The Hazard

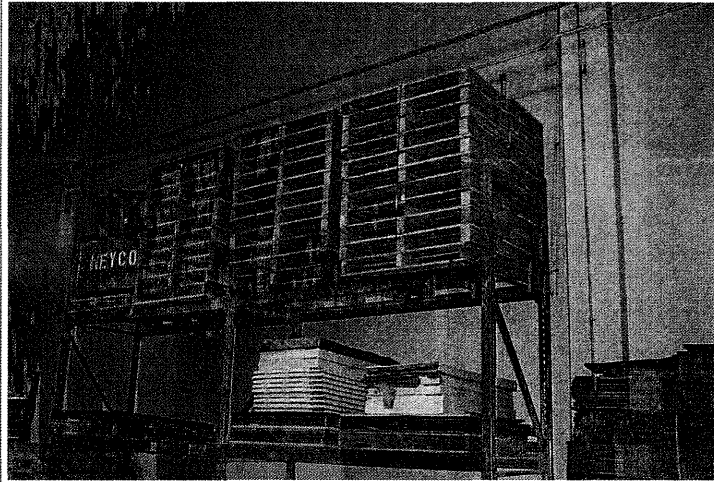
The relationship of fuel, oxygen, and heat feedback are critical to minimize or maximize the growth of a fire. Unfortunately, the configuration of a typical stack of pallets provides nearly the optimum configuration for maximum fire growth. This results in a fire that is much more intense and spreads more rapidly than would typically be expected. Furthermore, the large flat areas of the pallet shield the fire from sprinkler water making it even more difficult for sprinklers to control the fire. Therefore, it is likely that a fire involving the pallets would quickly spread to nearby combustibles resulting in a large fire that could possibly overwhelm the sprinkler system and result in the loss of the entire building.

05-08-003 continued

Part A.

Relocate pallets stored in racks.

Pallets stored in racks present a much greater fire challenge, than pallets stored on the floor. The pallets stored in the racks should be removed from the racks and stored in a manner consistent with the fire protection design.

The Hazard**Pallets stored in racks****Technical Detail**

The existing sprinkler systems can protect wood pallets stored to the heights listed below in the following areas:

- The stack height of wood pallets in the Warehouse (Building 2) should be limited to 8 ft.
- The stack height of wood pallets in the storage area in the east side of the Lower Level (Building 4) should be limited to 6 ft.
- Wood pallets in areas around the presses and in the Bindery (Building 3) should be limited to the minimum number necessary to facilitate a smooth flow of production materials for one day. These pallets should be kept in single stacks limited to 5 ft. high and kept at least 5 ft. from other combustible material and machinery.

Status

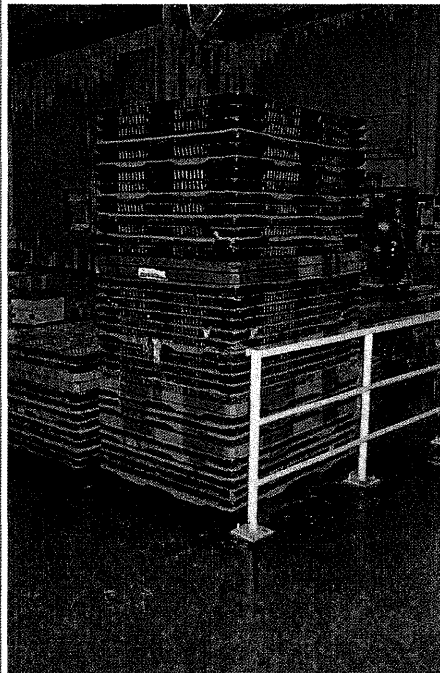
Ms McAndrew indicated that the pallets would be removed from the rack storage.

Part B.

Lower the height of the plastic pallets to less than three feet.

Plastic pallet storage should be lowered to three feet or less and kept a minimum of ten feet away from other combustible material.

05-08-003B continued

The Hazard**Plastic pallet storage exceeding 3 feet****Technical Detail**

The solid top of the postal pallets and their ability to be nested, make a stack of postal pallets appear different than the traditional stack of pallets. However, the fire protection system faces many of the same or even worse challenges. The solid top of the pallet will prevent water from reaching a fire burning underneath. The hollow air space inside the pallet provides both air for combustion, and a small space to maximize heat feedback.

Status

Due, to the limited floor space, Ms. McAndrew, reports that it is unlikely that the stack height could be lowered to three feet. To minimize the quantity of pallets, Cenveo only brings in postal pallets when required by a current order.

05-08-004

Ensure that all penetrations in the flammable liquid room are adequately fire caulked.

Penetrations in the walls and ceiling should be sealed with a FM Approved wall and floor penetration fire stop material with a minimum of a one-hour fire rating.

The Hazard

Flammable liquids with low flash points such as the liquids stored in the flammable liquids room are much more hazardous than ordinary combustibles. The construction of the flammable liquids room provides both a physical and fire separation between these hazardous liquids and the rest of the building. Openings in the walls or ceilings could allow a fire to pass through the wall and spread to the combustibles on the other side. Even the small openings created when piping or other utilities penetrate the wall or ceiling could allow a fire to escape the flammable liquid room, if these openings are not properly fire caulked.

05-08-004 continued

Status	The final conference did not focus on this recommendation.
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05-08-005*

Ensure that the flammable liquids stored in the Flammable Liquids room are adequately protected.

Take one of the following actions to provide adequate protection for the flammable liquids stored inside the Flammable Liquids Room.

The Hazard	Low flash point liquids are dispensed from 55-gallon drums inside the Flammable Liquid Room. These liquids are easily ignited and burn extremely hot. Regular fire sprinklers are ineffective against a fire involving these liquids, and serve only to cool the other drums in the room. Unfortunately, the burning liquid will float on top of the water discharged by the sprinklers. If the drum of IPA leaks into a fire at a rate of 2 gpm, it will fuel the fire for approximately 25 minutes. After 9 minutes, the water will overflow the Flammable Liquid Room's containment and carry the burning liquid outside the room. Once outside the room, the burning liquid would ignite any nearby combustibles resulting in a much larger fire. This would significantly increase the smoke and fire damage.
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Option A.

Provide adequate drainage for the Flammable Liquid Room.

Provide drainage capable of flowing 329 gpm with a 2 inch pool depth. This drainage should drain to a safe location having the capacity to hold a minimum of 17,740 gallons.

Technical Detail	FM Global offers a free plan review service to assist our customers in ensuring that hazards are properly addressed using the latest loss prevention information. Prior to the start of work, a copy of the plans should be submitted to: FM Global, 601-108th Avenue NE., Suite 1400, Bellevue, Washington 98004 for review and acceptance.
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Option B.

Provide a foam sprinkler system and adequate containment for the Flammable Liquid Room.

1. Provide a foam-water sprinkler system capable of providing a 20 minute supply of foam.
2. Provide containment capable of holding 20 minutes of sprinkler discharge plus the contents of the largest container in the containment area and maintain a minimum of a two inch freeboard.

Technical Detail	<p>Based upon the current sprinkler density the minimum containment depth needs to be a minimum of 16 inches deep. This depth is based upon the entire area of the room.</p> <p>Local containment inside the flammable liquid room under the drum storage would be acceptable, but the depth may have to be deeper to accommodate the contents of the largest container as well as the sprinkler discharge. Two examples are provided below, again these examples are based upon the current sprinkler density.</p> <ul style="list-style-type: none"> • A 4 ft. by 4 ft. containment would need to be 21 inches deep.
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05-08-005B continued

Technical Detail	<ul style="list-style-type: none">• A 7 ft. by 13 ft. containment would need to be 17 inches deep. <p>The containment should be of a non-combustible construction, and the foam must be comparable with the flammable liquids stored in the Flammable Liquid Room.</p> <p>FM Global offers a free plan review service to assist our customers in ensuring that hazards are properly addressed using the latest loss prevention information. Prior to the start of work, a copy of the plans should be submitted to: FM Global, 601-108th Avenue NE., Suite 1400, Bellevue, Washington 98004 for review and acceptance.</p>
Status	According to Mr. Jeff Anderson, the recommendation will be studied for possible completion.

05-08-006

Resume annual infrared (IR) surveys.

Conduct regular infrared thermographic surveys.

The Hazard	Loose or fouled connections in electrical equipment can cause overheating, spurious tripping of protective devices, and failure of equipment. In the worst case, overheating can lead to disastrous fires. IR surveys detect the increased heat given off by poor connections and overloaded circuits, which cannot be detected during visual inspections. Locating and repairing these problems before there is visible evidence of damage can improve the reliability of the equipment and reduce the risk of a fire.
Technical Detail	The last IR survey was performed November, 29 2001.
Status	This recommendation was discussed with Mr. Mark Smith during the visit. Mr. Smith indicated that the IR surveys are scheduled by corporate risk management and not the local facilities.

05-08-007

Perform regular testing of the safety devices on fuel-fired equipment.

The Hazard	Improper air-fuel ratios can lead to explosive conditions. Air-fuel mixtures that are too rich can allow the buildup of explosive concentrations of unburned fuel. Air-fuel mixtures that are too lean can cause an unstable flame. If the flame goes out unburned fuel could accumulate and reach an explosive level. The gas vapors are easily ignited by many ignition sources in area such as hot surfaces, lighting, electrical equipment, and other fuel fired equipment. The resulting explosion could cause extensive damage to the oven, exhaust stacks, and possibly ignite nearby combustibles. The function of the combustion safeguards and safety devices is to detect improper operating conditions and automatically shut down the equipment when abnormal conditions arise and prevent dangerous conditions.
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05-08-007 continued

Part A. Perform regular testing of the safety devices on the ovens and fume incinerators as described below:

Records of this maintenance should be kept for review by management and FM Global.

Technical Detail	<p>The following items should be inspected or tested quarterly:</p> <ol style="list-style-type: none">1. Fan and airflow interlocks2. Purge interlocks3. Flame failure system4. High temperature limit switches5. Door and damper limit switches6. High and low fuel pressure interlocks7. Fuel safety shutoff valves for leakage <p>The following items should be inspected or tested semi annually or annually:</p> <ol style="list-style-type: none">1. Igniter and burner components2. Combustion air supply system3. Piping, wiring, and connections of all interlocks and shut-off valves4. Combustion control system5. Operating sequence of all components6. Combustible gas analysis automatic interlocks7. Gas cleaner and drip leg8. Process interlocks
Status	<p>Mr. Mark Smith indicated that these tests have not be performed since 2001. Mr. Smith will look into resuming the fuel train testing; however, a completion date was not established.</p>

Part B. Perform regular testing of the safety devices on the hot water heating boilers as described below:

Records of this maintenance should be kept for review by management, boiler inspectors, and FM Global.

Technical Detail	<p>The following tests should be performed monthly</p> <ul style="list-style-type: none">• Flame failure detection system ^{1, 6}• Fan and airflow interlocks ^{1, 6}• High and low fuel pressure interlocks ^{1, 6}• Low fire start interlock ^{1, 6} <p>The following test should be performed quarterly</p> <ul style="list-style-type: none">• LWCO (Low Water Cut Out) ⁵ <p>The following test should be performed semi-annually</p>
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05-08-007B continued

Technical Detail	<ul style="list-style-type: none"> • Slow drain test LWCO ⁵ • Check the Safety valve(s) are free to operate ³ <p>The following tests should be performed annually</p> <ul style="list-style-type: none"> • Test the set pressure of the Safety relief valves ³ • Refractory hold in test ¹ • Gas cleaner and drip leg ¹ • Calibrate pressure and temperature gauges ^{1, 2} • Combustion Test (Tune the Boiler) ¹ • High temperature safety and operating controls ^{1, 6, 7} • Fuel safety shutoff valves for leakage ^{1, 4, 6, 7} <p>1 - CSD-1 Control and Safety Devices for Automatically Fired Boilers 2 - OAR 918-225 Oregon Administrative Rules: Boiler and Pressure Vessels 3 - NBIC National Board Inspection Code 4 - NFPA 85 Boiler and Combustion Systems Hazards Code 5 - FM Global DS 12-37 Low Water Protection 6 - FM Global DS 6-4 Oil and Gas Fired Single Burner Boilers 7 - FM Global recommends monthly testing; CSD-1 and NFPA 85 recommends annual testing</p>
Status	Mr. Mark Smith indicated that these tests have not be performed since 2001. Mr. Smith will look into resuming the fuel train testing, however a completion date was not established.

05-08-008
Improve the training of the personnel that handle flammable liquids and are responsible for storage.

The Hazard	Many losses occur, or are exasperated, because of improper operator actions. Operators storing flammable liquids out of approved areas, or allowing ordinary combustibles to be stored in flammable liquid areas, increase the likelihood of a fire occurring involving these materials. Cluttered storage around the flammable liquid areas also increase the likelihood of a drum of flammable liquid accidentally being tipped over and spilled. Improving production personnel's awareness of existing company policies and the hazards associated with flammable liquids are key to preventing incidents involving flammable liquids.
Status	According to Mr. Jeff Anderson, the recommendation will be studied for possible completion.



05-08-009

Calibrate the Ground Fault Protection (GFP) relays every three to five years.

The GFP relays in the main services should be tested to verify proper operation as soon as possible, and then every three to five years after that.

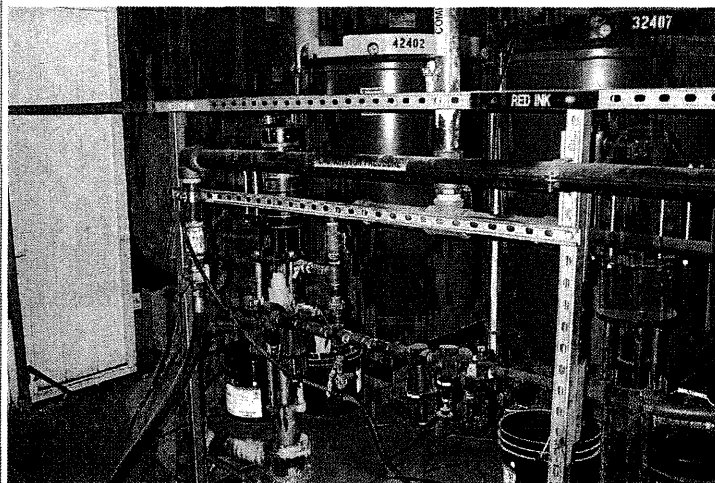
The Hazard	Approximately 80 percent of all electrical faults are ground faults. These faults occur when insulation breaks down and allows the conductor to come into contact with the electrical ground. The energy released by the fault may lead to further equipment damage or provide an ignition source for nearby combustible material. Due to the large quantities of combustible materials at Cenveo, the ability of a ground fault to start a fire is especially concerning. GFP relays detect the ground fault and de-energize the circuit before the overcurrent device can operate. The rapid response of the GFP relay limits the amount of energy released during a ground fault. This minimizes the damage that the fault can cause. To ensure the GFP relay is functioning properly it should be tested every three years.
Technical Detail	The GFP relay on the Building 1 service was last tested in 1992. The GFP relay on the Building 4 service was last tested in 1984.
Status	According to Mr. Mark Smith, the recommendation will be studied for possible completion.



05-08-010

Provide adequate protection for the bulk ink dispensing area.**The Hazard**

At the bulk ink dispensing area, ink is dispensed from 2,800-pound totes into plastic buckets. These totes contain several hundred gallons of ink with a flash point greater than 240 F. While this ink is difficult to ignite, it will burn furiously if involved in a fire. A fire fueled with the ink contained in the totes would present a very challenging fire that would be difficult to control. As the ink is heated by the fire, the viscosity decreases and it could flow forming a large pool and involve the nearby roll paper storage. It is likely that the sprinkler would control the fire and limit fire damage to the dispensing area, M600 press and roll paper storage; however, large amounts of thick black oily smoke would fill the facility and could damage products and raw materials.

**Bulk ink dispensing.****Part A.****Replace the flexible hoses on the bulk totes with non-combustible hoses.**

To prevent the hoses from burning through in a fire and releasing the contents of the totes into the fire they should be replaced with non-combustible hoses. These hoses should be constructed of high strength, non-combustible material that is resistant to decomposition or melting when exposed to the heat from a fire. Reinforced rubber hoses with a synthetic liner and a metal-braid covering would be acceptable in this application.

Status

This recommendation was made as a result of an engineering review performed after the closing conference. Therefore, it was not discussed with the Cenveo.

Part B.**Provide a minimum of a four inch curb around the ink dispensing area.**

A water tight curb should be provided around the ink dispensing area and ink totes. This curb will serve to contain any spills. Another purpose of the curb is to help ensure that separation is maintained between the combustible inks and ordinary combustibles nearby.

Status

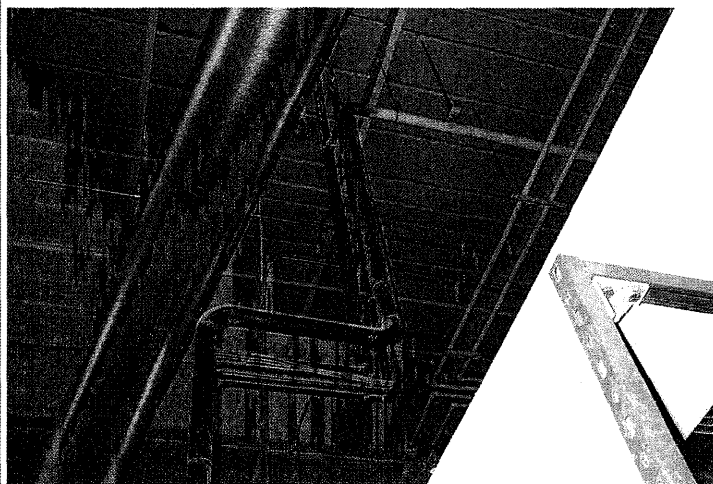
This recommendation was made as a result of an engineering review performed after the closing conference. Therefore, it was not discussed with the Cenveo.

05-08-011

Provide adequate seismic bracing and flexibility on all natural gas lines greater than 2.5 inches.

The Hazard

This facility is located in seismic zone 250 and is subject to severe shaking during an earthquake. An earthquake will introduce motion between equipment and the building. This movement can stress connections and result in small leaks or even a major break in the gas supply line. Once released, natural gas is easily ignited by the many ignition sources in the building. Hot surfaces, damaged electrical wiring, or even the spark from a light switch could ignite the gas. Once ignited, the flame from the leaking gas pipe could ignite any nearby combustibles. If the fire occurs near the wood roof, the roof could become involved in the fire. This would allow the fire to spread through out the buildings and could result in the destruction of the entire facility.



Lack of seismic bracing on 4 in gas line.

Technical Detail

Cenveo is protected by seismic gas shutoff valves, which will automatically stop the flow of gas into the facility during an earthquake. This will limit the gas release to the volume of gas trapped inside the gas piping. It is estimated that it will take up to two minutes for the gas inside the piping to escape.

Seismic bracing deficiencies also exist on the fire protection sprinkler piping. This increases the chances that the automatic sprinklers will not be available following an earthquake. Therefore, if a fire starts following an earthquake it is more likely that it will burn out of control and threaten the entire facility.

Install seismic bracing and flexibility in accordance with FM Global Data Sheet 1-11. A copy of this data sheet was e-mailed to Mr. Mark Smith. The seismic protection for the drop to the M600 press may require engineering by a professional engineer experienced in the design of seismic bracing due to its size and the length of the drop.

FM Global offers a free plan review service to assist our customers in ensuring that hazards are properly addressed using the latest loss prevention information.

05-08-011 continued

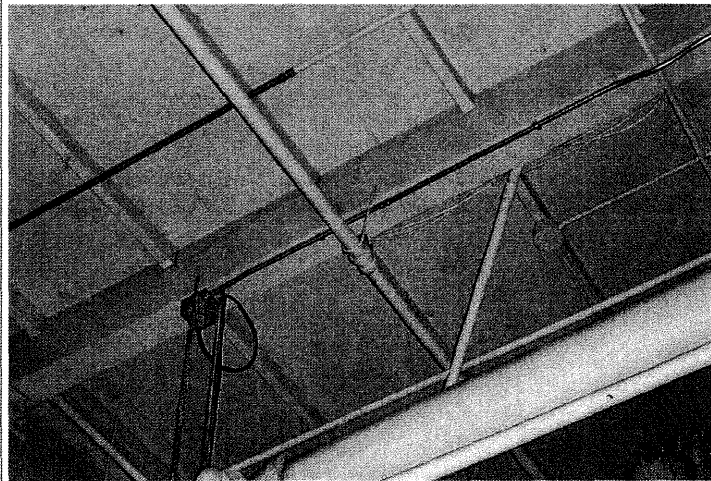
Technical Detail	Prior to the start of work, a copy of the plans should be submitted to: FM Global, 601-108th Avenue NE., Suite 1400, Bellevue, Washington 98004 for review and acceptance.
Status	The recommendation will be studied for possible completion.

98-07-006**Upgrade seismic protection of sprinkler systems.**

Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:

- Longitudinal and Lateral earthquake sway braces.
- Standard U-hooks and C-Clamps should be restrained.
- Suspended ceilings.
- Pipe drops.

The Hazard	Without proper bracing, automatic sprinkler pipes can shake violently during a seismic event. If the seismic event is of great magnitude, the pipes can break resulting in water damage to goods and leave the manufacturing facility without protection from a fire.
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U-Hook sprinkler bracing.

Technical Detail	Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:
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98-07-006 continued

Technical Detail

- Longitudinal earthquake sway braces, spaced 80 ft. on-center, should be provided on all cross and feed mains. Lateral earthquake sway braces, spaced 40 ft. on-center, should be provided on all cross mains and feed mains. A lateral brace should be provided within 24 in. of every other flexible coupling. Longitudinal and lateral bracing should be provided for all changes of direction with pipe runs longer than 6 ft. A lateral brace should be present within 6 ft. of the end of the main, and a longitudinal brace should be present within 40 ft. of the end. Sway braces should be attached to significant structural members, preferably with through-bolts.
- Standard U-hooks should be restrained by a clamp for every other hanger in gridded systems and at the end hanger of branch line piping of tree systems. C-clamps attached to beams that support sprinkler piping should be fitted with restraining straps. Sprinkler heads subject to hitting structural members should be restrained by restraining the closest hanger.
- Suspended ceilings should be braced on 12 ft. intervals.
- Pipe drops should be provided with a flexible coupling at the top of the drop.

The brochure "*Understanding the Hazard: Lack of Earthquake Bracing on Sprinkler Systems*" provides an overview of the hazard.

FM Global Data Sheet 2-8, *Earthquake Protection for Water-based Fire Protection Systems*, may be consulted for additional details. The upgrade should meet this FM Global standard, except as may be permitted by an FM Global Seismic Specialist who may allow for variations based on specific analyses of the existing installation.

Not all areas of the facility were visually inspected. Therefore, this recommendation was based on a brief review of the seismic protection of the fire sprinkler system. Prior to the start of work, a copy of the plans should be submitted to: FM Global, 601-108th Avenue NE., Suite 1400, Bellevue, Washington 98004 for review and acceptance.

Status

Mr. Mark Smith said that this will not be completed due to budgetary issues.

05-08-012

Utilize FM Global Plan Review Service when considering new projects.

Plans and specifications for any new construction, roofing or roof repairs, changes in fire protection, installation of gas-fired equipment, or occupancy changes should be forwarded to FM Global for review and comment prior to the start of the work. This service is offered at no additional charge to FM Global's customers.



05-08-012 continued

The Hazard	By incorporating loss prevention features before a project is started, the additional costs associated with them can be minimized or avoided. Submitting plans to FM Global, will allow FM Global to assist Cenveo in ensuring that the best aspects of loss prevention are incorporated in any project. Proper design of building features or protection equipment can prevent or at least reduce major losses.
Technical Detail	<p>During the August 2005 loss prevention visit, it was discovered that the lower level of Building 1-A was being renovated and prepared for the installation of the Cyrel process. This process involves the handling and distillation of flammable liquids. Several loss prevention measures should have been considered prior to starting this project. Incorporating these loss prevention measures into the project after the start of the project may add additional costs and delay the project.</p> <p>In the future plans and specifications should be submitted to FM Global at:</p> <p>FM Global 601 108th Avenue NE. Suite 1400 Bellevue, WA 98004</p> <p>For the Cyrel project, plans and specifications should be submitted to FM Global at:</p> <p>FM Global Attn: James Pistor 2352 NW Willamina Ave. Forest Grove, OR 97116</p>
Status	Graphics Arts Center was not aware of the plan review service offered by FM Global. Mr. Jeff Anderson, indicated that Graphics Arts Center will use this service in the future.



Risk Reduction

Recommendations that have been completed or otherwise removed are summarized in this section. Risk Reduction involving **Physical Recommendations** is quantified in this report by counting the completed recommendations.

The "counts" of recommendations referenced in this section include each part of multi-part recommendations except in cases where each part represents optional ways to address a single hazard. In such cases, the recommendation is only counted once.

These charts illustrate current risk reduction status since the last inspection visit, and also include an historical account of previous risk reduction activity on a cumulative basis. Focus and special visits are not tracked separately, but the total outstanding recommendation counts reflect the full history since Apr, 2003.

Though the Management of Exposures section of this report does not include every currently active recommendation (Fire, Natural or Equipment Hazards), these charts reflect the location's entire exposure and risk reduction activity for all active recommendations at this time.

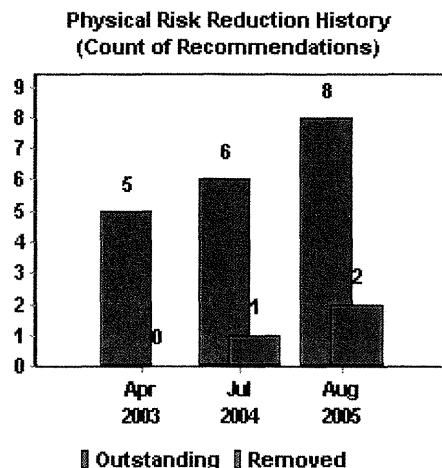
Physical Recommendations

The following **Physical** recommendations have been completed or removed as a result of this evaluation:

Rec Number	Recommendation Synopsis <i>Reason for Deletion</i>	Removal Method
03-04-001A	Provide a seismic gas shut-off valve for the natural gas line entering the building.	Completed 19 Aug 05
04-07-001A	Provide self closing metal dispensers on 55 gal. oil storage drums.	Completed 19 Aug 05

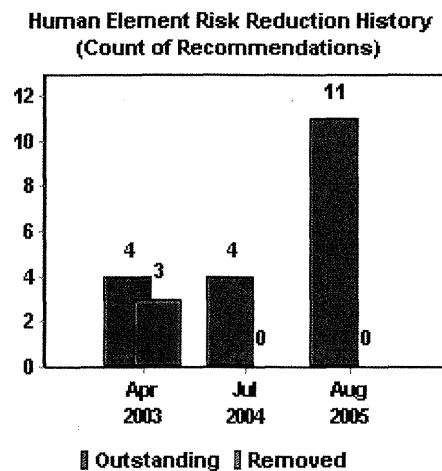


Physical Recommendations continued



Human Element Recommendations

No **Human Element** recommendations have been completed or removed since our last evaluation.



Managing Change

A project is underway to install a Cyrel process in the lower level of Building 1-A. The Cyrel process is used to manufacture plates for the presses. The process involves pumping a solvent with a flash point of 140 F, as well as a still that is used to recover used solvent. Several recommendations concerning the proposed project were presented in a separate document to Mr. Mark Smith.



Managing Change continued

Resources

The following FM Global Resources can be obtained through the Resource Catalog (or online at <http://www.fmglobal.com/scripts/store>):

- P7133 Controlling the Shut-Valve Hazard
- P7427 Red Tag Permit System
- P9006 FM Global's Red Tag Permit System Could Save Your Business
- P9102 Boiler and Machinery Basics
- P6611 Low-Water Cutoff Tag
- P0273 Pocket Guide to Boiler Care and Operation
- P0029 Train, Test and Maintain: Consistency Key to Sound Operation of Industrial Heating Equipment
- P9702 Maintaining Power for Productivity
- P0270 Roll-Paper Storage
- P0185 Ground Fault Protection (GFP)
- P0226 Idle Pallets

Ongoing Services

FM Global is available to provide support in all areas of property loss prevention. These services include:

- Development of specifications for projects such as new construction, automatic protection systems, and process safeguards
- Review of related project plans
- Assistance in implementing and managing loss prevention programs
- On site review and acceptance of completed projects
- Assistance in managing impaired protection systems

For access to these services, contact one of the following:

Seattle Office:

Key Center
601 108th Avenue, N.E.
Suite 1400
Bellevue, WA 98004
USA
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Stephen E. Marek, Account Engineer:

FM Global
540 Maryville Centre Drive, Suite 400
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Reference Information

Site Contact: Mr. Mark Smith, Facility Planner at +1 503 2247778 Ext 251

Final Conference Attendees: Ms. Lynn McAndrew, Vice President of Operations;
Mr. Jeff Anderson, Environmental Health and Safety
Director;
Mr. Mark Smith, Facility Planner;
Wayne L. Fish, FM Global

Location Index Number: 077570.93-05

Account Number: 1-30336

RiskMark Information included in this report is current as of 11 September 2005.

Page(s)	Key Number	Corrective Action (s)	Cost	Due Date	Assigned to
4-5	05-08-001	Install collision barrier around solvent barrels	\$800 + Shipping	Hold for Corporate approval	Jeff Anderson
		Research and test solvents with higher flash point	Nominal	Now testing 9-29-05	Doug Tompkins Jeff Anderson
5-6	05-08-002	Building 2: All heavy wrapped paper will be kept at a maximum height of 16'. Unwrapped and medium wrapped paper will be kept at a maximum height of 11' or be stored elsewhere.	0	Completed 10-7-05	Ron Tranellis
6-7	04-07-001	Add metal containment sumps to a minimum height of 4". Must completely surround oil storage area.	\$2,292 + Shipping	Hold for Corporate approval	Jeff Anderson
7-8	01-12-003	Add wire way inspection to maintenance monthly inspection list and arrange cleaning as required to keep dust to a level of < 1/8"	0	Completed 9-29-05	Jeff Anderson
8-10	05-08-003	Add pallet storage requirement to monthly inspection list. Empty pallets will no longer be stored in racks.	0	Completed 9-29-05	Jeff Anderson
	Part A				
	05-08-003	Plastic pallet height- lowered and dispersed per previous directive	0	Completed	Lynn McAndrew
	Part B				
10-11	05-08-004	Fire caulk all penetrations in the flammable liquid room	\$500	New TBA	Mark Smith

Page(s)	Key Number	Corrective Action (s)	Cost	Due Date	Assigned to
11-12	05-08-005	Cease dispensing chemicals in 90-day storage room	0	Completed 10-01-05	Doug Tompkins
		Add foam water sprinkler system capable of providing 20 minutes of foam – Simplex/Grinnell	\$25,000	Hold for Corporate approval	Jeff Anderson
		Add drain, piping and 17,000 gallon underground storage tank- 4C's Environmental (\$75,000 for drain. \$100,000 to relocate underground electrical)	Estimated: \$175,000	Hold for Corporate approval	Jeff Anderson
12	05-08-006	Conduct regular infrared thermographic survey. five advisory recommendations, four completed , one for scheduled shut down.	\$500	Completed 8-12-05	Mark Smith
12-14	05-08-007	Perform regular testing of the safety devices on fuel-fired equipment.	\$8,500 per yr	Under consideration	Mark Smith
	Part A	Ovens and fume incinerators TCMS contract under review			
	05-08-007	Hot water heating boilers. TCMS contract under review	Included in previous	Under consideration	Mark Smith
	Part B				
14	05-08-008	Flammable liquid training has been added to our new hire orientation. Fire prevention, including flammable liquid handling, is covered during HazCom in February and a Toolbox training module in June. This training can be provided for review.	0	Completed 9-28-05	Jeff Anderson
15	05-08-009	Calibrate the Ground Fault Protection relays every three to five years Requires building shut down and special contractor.	\$10,000	New TBA	Mark Smith

Page(s)	Key Number	Corrective Action (s)	Cost	Due Date	Assigned to
16	05-08-010	Replace the flexible hoses on the bulk totes with non-combustible hoses.	\$8000	New TBA	Mark Smith
	Part A				
	05-08-010	Provide a minimum of a four inch curb around the ink dispensing area.	\$3000	New TBA	Mark Smith
	Part B				
17-18	05-08-011	Provide adequate seismic bracing and flexibility on all natural gas lines grater than 2.5 inches. Bracing to be engineered and work contracted out	Anticipate \$4,500	New TBA	Mark Smith
18-19	98-07-006	Upgrade seismic protection of sprinkler system #2	\$26,000	Being engineered	Mark Smith
19-20	05-08-012	Utilize FM Plan Review Service Flexo fire system engineering and upgrade	\$17,621	Ready for plan review	Mark Smith



Factory Mutual Insurance Company
1533 NE Tillamook Street, Portland OR 97212, USA
T: (503) 460-9021 F: (503)284-6391 www.fmglobal.com

January 11, 2008

Mr. Terry Goodell
Cenveo Inc.
Graphic Arts Center
2000 NW Wilson Street
Portland OR 97209

Re: Visit Outline
Cenveo Inc.
Graphic Arts Center
2000 NW Wilson Street
Portland OR 97209
Index No. 77570.93-05
Account No. 01-30336

Dear Mr. Goodell,

The purpose of this letter is to confirm our insurance engineering evaluation, and provide a proposed agenda for that visit.

An essential aspect of this visit will be to learn about your building, equipment and operations to better understand the impact of events like fire, flood or earthquake on your business. As a property insurance company, we at FM Global believe that the majority of all loss is preventable. In support of this belief and as part of your property insurance, we provide you with engineering hazard evaluation service to assist in identifying, evaluating, and quantifying risk, and we can help you develop risk reduction solutions to eliminate or minimize loss probability and consequences. Our goal is to protect the value your business creates.

Key hazards at printing facilities are typically related to use of flammable liquids, dust, paper and pallet storage, seismic protection of natural gas systems, and regular maintenance and inspections of sprinkler systems. By providing seismic gas shutoff valves on your natural gas lines, you have already done a lot to minimize the impact of an earthquake on your natural gas systems.

The most significant hazards at your site are the storage arrangements of flammable liquids, specifically the drainage and containment arrangements, and the storage arrangements of paper and pallets, which require sprinkler protection specifically designed for the hazard, so I would like to spend some of my time with you focusing on these issues.

I would like to bring a digital camera to document my visit, so if paperwork is necessary for this it would be helpful to have it ready.

The following informal agenda is proposed for the evaluation scheduled on January 17 at 09:00 am.

Opening Conference

1. Review of outstanding recommendations.
2. Updates of changes to basic information. This includes plant sketch, occupancy, construction and sprinkler system details. Also, plant operating hours, burglary exposure and protection, flood exposure and protection information.
3. Review of your property conservation programs. This includes fire prevention and sprinkler system inspections, Emergency Organization, FM Global Hot Work Permit System, FM Global Red Tag Permit

System, inspections of fuel trains for fuel fired equipment, electrical preventive maintenance, housekeeping, smoking and managing change procedures. It would be helpful to have relevant paperwork ready.

4. Interdependencies with other facilities of your corporation. Verification of values such as peak stock value and machinery & equipment value. Identification of production bottlenecks.
5. Overview of past and future major facility changes.

Sprinkler System and Water Supply Testing

6. Test and inspection of your automatic sprinkler systems and water supply. Sprinkler system testing includes calling the alarm company, flowing water from the Inspector's Test Connections, turning the post indicator valves and visually inspecting all other sprinkler system control valves.

Facility Walkthrough

7. Process and facilities overview. It would be useful to follow the process flow inside the plant. Also included are all other areas of the plant, including the roof, mechanical areas, storage areas and the exterior.

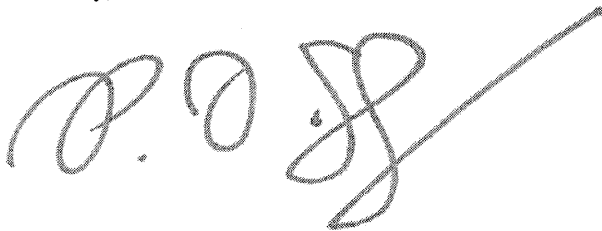
Closing Conference

8. Meeting with relevant personnel. This includes a discussion of new or important recommendations.

This is not an exhaustive list, but these should be the main areas of concern.

I look forward to seeing you. If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read 'P. T. Goddyn', with a long, sweeping horizontal stroke extending to the right.

Peter T. Goddyn
Engineering Specialist
San Francisco Operations/Seattle Branch
E-mail: peter.goddyn@fmglobal.com

FM Global Risk Report (Preliminary)

Location Findings

Cenveo, Inc.

Print Division
CENVEO GAC - PORTLAND
Graphic Arts Center
2000 NW Wilson Street
Portland, Oregon 97209-1884
USA

All in One Baseline Risk Evaluation

Visit by:	Peter T. Goddyn
Visit date:	17 January 2008
Conference with:	Mr. James Miller, Plant Manager

Principal Site Activity

This site is a printing facility specializing in brochures.

Understanding the Hazards at this Facility

In the printing industry, fires account for 37% of the losses. The use of flammable and combustible liquids, as well as paper and idle pallet storage are common hazards at a printing operation. A fire involving these materials present a high fire challenge for any protection system, and if the fire gets out of control it can burn the facility to the ground. It would take at least a year to rebuild this facility after such a disastrous fire. During this time, customers might go to other printers in the area. These customers may develop new relationships with other printers and may not return to Cenveo after the facility is rebuilt. This could result in a long term loss or market share.

To ensure that the fire protection system is ready to respond to a fire, Cenveo has several programs in place, including regular valve inspections and impairment handling systems. However, these appear to have lapsed in the past year.

Natural hazard related losses account for 23% of all the losses in the industry. Damage during an earthquake is one of the primary natural hazards present at this site. During an earthquake, differential movement between the building and natural gas piping can cause ruptures in the gas piping and subsequent gas leaks. These gas leaks can be easily ignited by ordinary ignition sources such as lights and heaters, and once ignited would result in a natural gas-fed fire. Due to the seismic bracing deficiencies of the fire protection sprinklers, it is likely that the sprinkler system would not be available to combat the fire.

Cenveo has taken several steps to mitigate the hazards of a fire following an earthquake by installing seismic gas shut off valves, which will automatically shut off the flow of gas during an earthquake. Most suspended heaters have been seismically braced to prevent excessive movement. Providing bracing and flexibility on all gas fired equipment, seismic bracing on the larger gas lines and bracing for sprinkler lines are additional steps that could be taken to protect this facility in the event of an earthquake.

Factory Mutual Insurance Company (FM Global) has developed this report for insurance underwriting purposes. The report is provided to you for informational purposes only to reduce the possibility of loss to property by bringing to your attention certain potential hazards or conditions. You must make the decision whether to take any action. FM Global undertakes no duty to any party by providing this report or performing the activities on which it is based. The liability of FM Global is limited to that contained in its insurance policies.

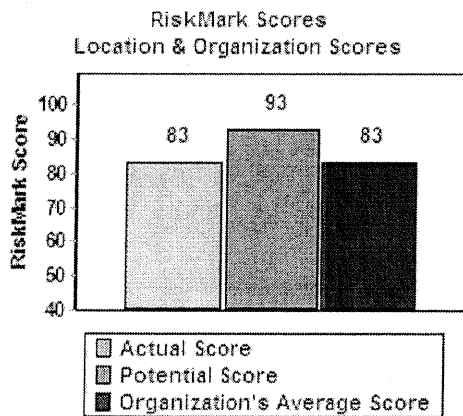
Location Overview

The following display shows the RiskMark scores calculated for this location. RiskMark is a benchmarking tool which rates the risk quality of the associated location on a scale of 0-100 (lowest to highest quality). The RiskMark score is calculated taking into account fire hazards, inherent natural hazards, and FM Global loss history for locations with similar occupancies.

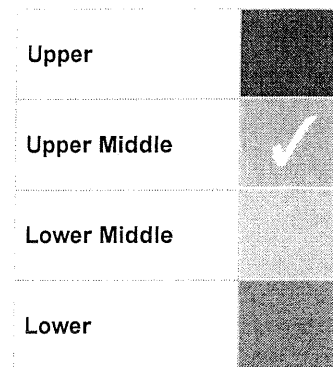
Note: RiskMark does not currently include equipment hazards in the scoring calculations; however, future versions will incorporate this aspect of risk quality.

The first chart shows the location score, the location potential score (assuming all recommendations are completed) and the organization's average score (weighted by location value). The potential score may be less than 100 because some hazards cannot be eliminated and some occupancies are inherently more hazardous; each factor can result in an automatic deduction.

To assist in comparison of this location's score relative to other FM Global locations, the second chart displays the range in quartiles of all scores for the locations FM Global has visited worldwide. The checkmark indicates in which quartile this location's score falls. For reference, the lower quartile represents the lowest range of scores and risk quality whereas the upper quartile represents the highest.



Location Risk Quality by Quartile*



*Compared to all FM Global Locations

Further information on RiskMark can be found online at:
<http://www.fmglobal.com/myrisk/riskmark.pdf>

Management of Exposures

Certain potential hazards and conditions were evaluated at this facility. Completion of the following items will help lower both the frequency and severity of losses and minimize the possibility of costly interruptions to your business.

08-01-001

Reinstate weekly visual and monthly physical sprinkler valve checking.**The Hazard**

Fires at locations with shut fire protection valves tend to be large and destructive. FM Global engineers discover nearly 1,000 shut valves each year at insured locations. The suggested improvement will greatly reduce the chances of a shut valve going undetected at this facility.

Post indicator valves have a mechanism that could visually indicate an open valve while the valve is actually shut. Monthly testing of the mechanism will ensure that the valve is indeed open when the tag reads open, in addition to testing the tamper switch.

Status

According to Mr. Mark Arthur, the recommendation has been budgeted for around March 2008.

04-07-001

Improve flammable liquids handling.**The Hazard**

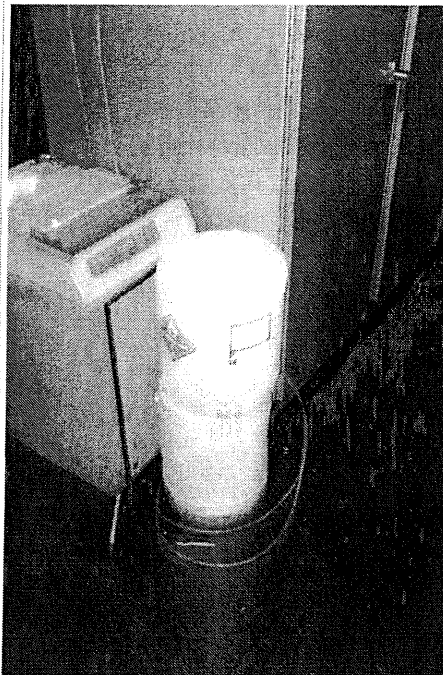
Flammable liquids present an extreme fire hazard. If released, the vapors are easily ignited by hot surfaces, and burn intensely. Because they are liquid the fire will easily spread. If the fire involves the combustible roof, little can be done to prevent major damage to both building and contents and result in months of lost business operations. A fire like this would compromise the sprinkler systems performance, since it is not designed to deliver enough water to control a fire involving flammable liquids without additional precautions. This hazard will be reduced by proper handling and storage of all flammable liquids as outlined.

04-07-001 continued

Part C. Provide a flammable liquids cabinet for the make-up ink stored on the floor.

The Hazard

This liquid has a low flash point. A five gal. spill could cause a ten ft. diameter pool of liquid. If this liquid were to ignite, it could result in flames 30 ft. high.



Make-up ink buckets

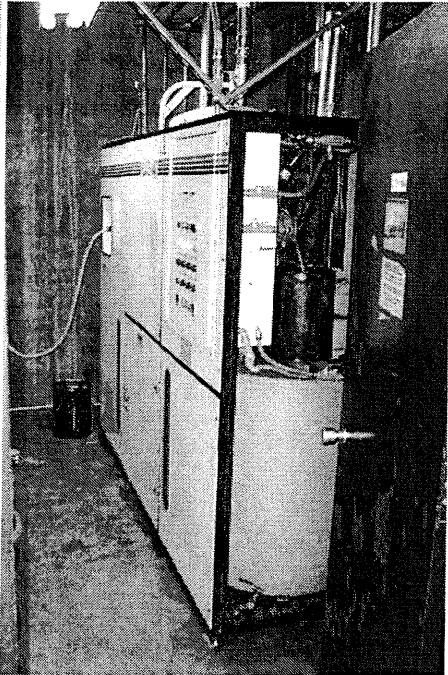
Status

According to Ms. Melissa Otis, the recommendation will be completed by March 2008.

Part D. Improve safeguards for the solvent distillation unit.

- Provide curbing at the door to prevent a spill from leaving the room.
- Provide explosion protection by one of the three methods below:
 - Move the solvent distillation unit to a low value exterior building
 - Provide explosion venting to the outside.
 - Provide an explosion suppression system.

04-07-001D continued

The Hazard	<p>The distillation unit heats Cyrel OptiSol, which has a flash point of 154°F, above its boiling point (around 350°F), and then condenses the clean liquid. Any upset in this process could cause an explosion, which would blow into the plate making area. Any leak would be able to catch fire and spread under the door to the plate making area.</p>  <p>Solvent Waste Recovery Unit</p>
Status	<p>Ms. Melissa Otis said that she would see if this could be done.</p>

- Part E. Improve the flammable liquid containment in the Flammable Liquids Room.**
- One of the following should be done to ensure burning liquid does not escape the Flammable Liquids Room in case of a fire:
- Provide drainage to a safe location sufficient for the spill and sprinkler discharge.
 - Provide a foam-water sprinkler system and upgrade containment for the sprinkler discharge
 - Store liquids with flash points below 200°F that are not water miscible and have specific gravities lower than one inside FM Approved flammable liquids cabinets.

04-07-001E continued

The Hazard	Low flash point liquids are located in 55-gallon drums inside the Flammable Liquid Room. These liquids are easily ignited and burn extremely hot. Regular fire sprinklers are ineffective against a fire involving these liquids, but will serve to cool the other drums in the room. Unfortunately, the burning liquid will float on top of the water discharged by the sprinklers. If the drum leaks into a fire at a rate of 2 gpm, it will fuel the fire for approximately 25 minutes. After 9 minutes, the water will overflow the Flammable Liquid Room's containment and carry the burning liquid outside the room. Once outside the room, the burning liquid would ignite any nearby combustibles resulting in a larger fire. This would significantly increase the smoke and fire damage.
Status	Ms. Melissa Otis said that feasibility of these options would be investigated.

Part B.

Provide noncombustible and larger containment for the oil drums.

The Hazard

Plastic containment under oil drums

Technical Detail	The curbing area should completely surround the oil storage area with a non-combustible and watertight material to a minimum height of 4 in.
Status	The recommendation has been budgeted for around March 2008.

08-01-002

Use the FM Global Red Tag Permit System for all impairments to fire protection control valves.

The Hazard	Many sprinkler system valve impairments occur during remodels, expansions, or routine maintenance. Often contractors will close a valve to perform work and then forget to reopen the valve when finished. If a fire strikes when the valve is closed, the sprinkler system will not function and the entire building could be destroyed. The average fire with a shut sprinkler control valve reported to FM Global results in US\$3.6 million in damage, versus US\$300,000 for fires with valves open. By utilizing the FM Global Red Tag Permit System to manage all valve impairments, the possibility of a sprinkler valve being closed when fire strikes is greatly reduced.
Status	According to Mr. Mark Arthur, the recommendation will be completed by January 2008.

01-12-003

Remove dust deposits on a regular basis. (Last Revised 17 January 2008)

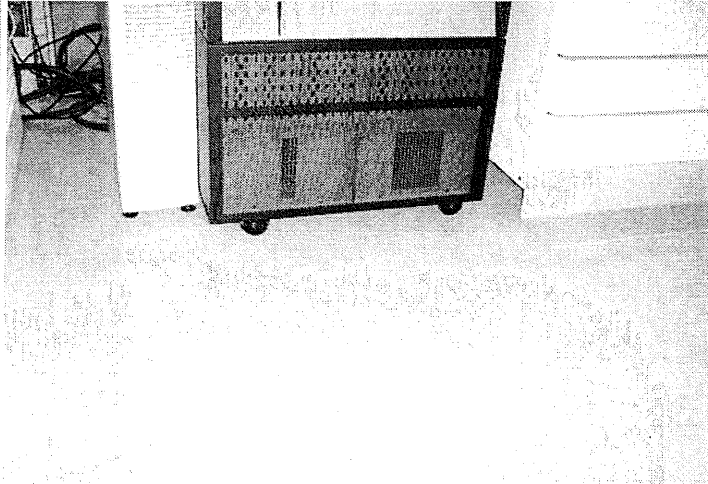
Establish a housekeeping program that maintains the dust accumulation on all surfaces less than 1/8 of an inch.

The Hazard	Paper dust is much easier to ignite than paper in a sheet form. Electrical faults, overheated components, and sparks from static or friction all could provide the necessary energy to ignite the dust. When dust deposits are heavy enough, a fire involving the dust tends to "flash" across the dusty surface. Rapidly spreading fires involving large areas of dust could easily out run the sprinkler system and ignite nearby combustibles. The sprinkler system is not designed to control multiple fires over such a large area, and could be overwhelmed. This would allow the fires to grow and spread to the nearby combustible ink, oil, and paper storage.
Technical Detail	As an additional housekeeping item, rubbish should be removed from the roof. Wood, paper debris and moss accumulations were found on the roof.
Status	While dust in some areas was cleaned, other areas had significant deposits. This was noted specifically in roof areas over the binderies.

08-01-003

Provide seismic restraint for data center equipment.**The Hazard**

This equipment is critical to business operations, and if damaged may interrupt business continuity. Due to their high center of gravity, electronic cabinets and racks are subjected to seismic forces that could result in toppling. Usually, bolting equipment to the floor is sufficient to prevent damage.

**Mainframe Securement****Status**

According to Ms. Melissa Otis, the recommendation will be completed by June 2008.

08-01-004

Add a Sprinkler Control Operator position to the existing Emergency Organization.

The Emergency Organization should be updated to include the duty of the sprinkler control operator. In the event of a fire, this person goes to the sprinkler valve controlling the fire area, makes sure it is open, and, if safe to do so, stands by the valve until it is ordered closed by the person-in-charge or the public fire chief. This person remains at the valve until the used sprinkler heads are replaced and the system is returned to service.

The Hazard

Prompt and effective action by well-trained employees at the outbreak of a fire can minimize fire and water damage. It is important that, once the fire has been extinguished, the water gets shut off, sprinkler heads get replaced and the system is put back on line and all control valves opened.

Status

The recommendation will be completed by February 2008.

05-08-006

Resume annual infrared surveys of electrical equipment.

The Hazard	Loose or fouled connections in electrical equipment can cause overheating, spurious tripping of protective devices, and failure of equipment. In the worst case, overheating can lead to disastrous fires. Infrared surveys detect the increased heat given off by poor connections and overloaded circuits, which cannot be detected during visual inspections. Locating and repairing these problems before there is visible evidence of damage can improve the reliability of the equipment and reduce the risk of a fire.
Technical Detail	The last infrared survey was performed November, 29 2001.
Status	Mr. Mark Arthur said that he would check the schedule of these surveys.

05-08-007

Perform regular testing of the safety devices on fuel-fired equipment.

The Hazard	Improper air-fuel ratios can lead to explosive conditions. Air-fuel mixtures that are too rich can allow the buildup of explosive concentrations of unburned fuel. Air-fuel mixtures that are too lean can cause an unstable flame. If the flame goes out unburned fuel could accumulate and reach an explosive level. The gas vapors are easily ignited by many ignition sources in area such as hot surfaces, lighting, electrical equipment, and other fuel fired equipment. The resulting explosion could cause extensive damage to the oven, exhaust stacks, and possibly ignite nearby combustibles. The function of the combustion safeguards and safety devices is to detect improper operating conditions and automatically shut down the equipment when abnormal conditions arise and prevent dangerous conditions.
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Part A.**Perform regular testing of the safety devices on the ovens and fume incinerators as described below:**

Records of this maintenance should be kept for review by management and FM Global.

Technical Detail	<p>The following items should be inspected or tested quarterly:</p> <ol style="list-style-type: none"> 1. Fan and airflow interlocks 2. Purge interlocks 3. Flame failure system 4. High temperature limit switches 5. Door and damper limit switches 6. High and low fuel pressure interlocks 7. Fuel safety shutoff valves for leakage <p>The following items should be inspected or tested semi annually or annually:</p> <ol style="list-style-type: none"> 1. Igniter and burner components
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05-08-007A continued

Technical Detail	<ol style="list-style-type: none"> 2. Combustion air supply system 3. Piping, wiring, and connections of all interlocks and shut-off valves 4. Combustion control system 5. Operating sequence of all components 6. Combustible gas analysis automatic interlocks 7. Gas cleaner and drip leg 8. Process interlocks
Status	These tests have not be performed since 2001. Mr. Mark Arthur will speak to the contractor to see what can be done.

Part B.

Perform regular testing of the safety devices on the hot water heating boilers as described below:

Records of this maintenance should be kept for review by management, boiler inspectors, and FM Global.

Technical Detail	<p>The following tests should be performed monthly</p> <ul style="list-style-type: none"> • Flame failure detection system ^{1, 6} • Fan and airflow interlocks ^{1, 6} • High and low fuel pressure interlocks ^{1, 6} • Low fire start interlock ^{1, 6} <p>The following test should be performed quarterly</p> <ul style="list-style-type: none"> • LWCO (Low Water Cut Out) ⁵ <p>The following test should be performed semi-annually</p> <ul style="list-style-type: none"> • Slow drain test LWCO ⁵ • Check the Safety valve(s) are free to operate ³ <p>The following tests should be performed annually</p> <ul style="list-style-type: none"> • Test the set pressure of the Safety relief valves ³ • Refractory hold in test ¹ • Gas cleaner and drip leg ¹ • Calibrate pressure and temperature gauges ^{1, 2} • Combustion Test (Tune the Boiler) ¹ • High temperature safety and operating controls ^{1, 6, 7} • Fuel safety shutoff valves for leakage ^{1, 4, 6, 7}
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05-08-007B continued

Technical Detail	1 - CSD-1 Control and Safety Devices for Automatically Fired Boilers 2 - OAR 918-225 Oregon Administrative Rules: Boiler and Pressure Vessels 3 - NBIC National Board Inspection Code 4 - NFPA 85 Boiler and Combustion Systems Hazards Code 5 - FM Global DS 12-37 Low Water Protection 6 - FM Global DS 6-4 Oil and Gas Fired Single Burner Boilers 7 - FM Global recommends monthly testing; CSD-1 and NFPA 85 recommends annual testing
Status	These tests have not been performed since 2001. Mr. Mark Arthur will speak to the contractor to see what can be done.

05-08-009**Calibrate the ground fault protection (GFP) relays every three to five years.**

The GFP relays in the main services should be tested to verify proper operation as soon as possible, and then every three to five years after that.

The Hazard	Approximately 80 percent of all electrical faults are ground faults. These faults occur when insulation breaks down and allows the conductor to come into contact with the electrical ground. The energy released by the fault may lead to further equipment damage or provide an ignition source for nearby combustible material. Due to the large quantities of combustible materials at Cenveo, the ability of a ground fault to start a fire is especially concerning. GFP relays detect the ground fault and de-energize the circuit before the overcurrent device can operate. The rapid response of the GFP relay limits the amount of energy released during a ground fault. This minimizes the damage that the fault can cause. To ensure the GFP relay is functioning properly it should be tested every three years.
Technical Detail	The GFP relay on the Building 1 service was last tested in 1992. The GFP relay on the Building 4 service was last tested in 1984.
Status	There are no current plans to complete the recommendation.

05-08-011**Provide adequate seismic bracing and flexibility for natural gas piping and equipment.**

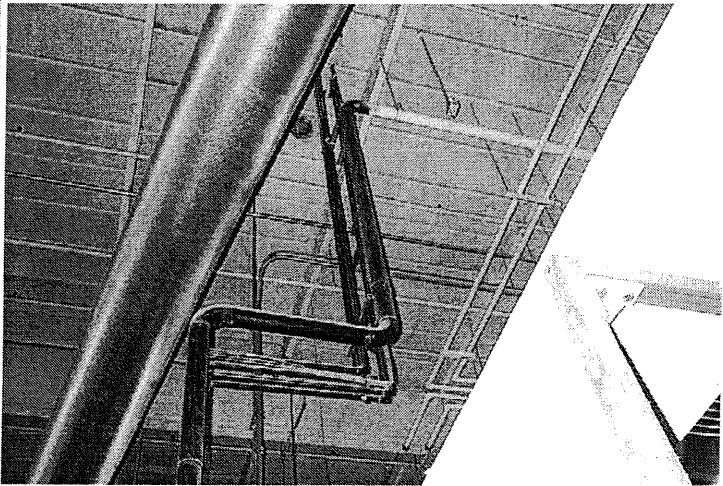
The following should be done:

- Provide bracing and flexibility for each piece of gas fired equipment.
- Provide bracing for all gas piping 2 1/2 in. and larger.

05-08-011 continued

The Hazard

The bulk of damage from earthquakes is often related to fires following the earthquake. This is what destroyed San Francisco after the 1906 quake. Most frequently, the combustibles that are ignited are flammable gases. A seismic gas shutoff valve is present to limit this exposure, but the gas that would remain in the pipe following a shutoff is sufficient to still cause a fire. Bracing and flexibility will reduce the likelihood of damage in the most likely location of gas pipe breaks.



Lack of seismic bracing on a 4 in. gas line.

Status

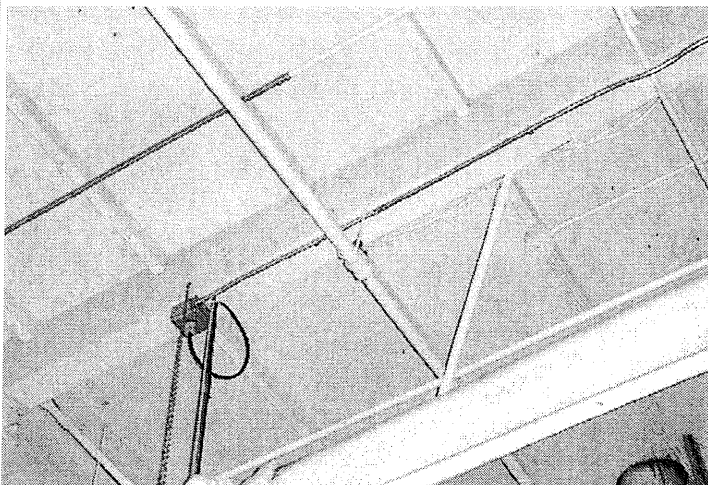
Many space heaters have been provided with adequate bracing and flexibility, but the need for some additional modifications remains.

98-07-006

Upgrade seismic protection of sprinkler systems.

The Hazard

Differential movement between the building and the sprinkler piping during an earthquake can result in pipe breakage if adequate precautions - such as the provision of bracing and flexibility where needed - are not taken. Significant water damage to the sensitive occupancies in these buildings can be sustained, in addition to the impairment of the fire protection system at a time when it is likely needed. During a recent ten year period, more than 50% of earthquake damage experienced by FM Global customers consisted of sprinkler system failure.

**U-Hook sprinkler bracing.****Technical Detail**

Seismic protection for the automatic sprinkler systems should be upgraded in the following manner:

- Longitudinal earthquake sway braces, spaced 80 ft. on-center, should be provided on all cross and feed mains. Lateral earthquake sway braces, spaced 40 ft. on-center, should be provided on all cross mains and feed mains. A lateral brace should be provided within 24 in. of every other flexible coupling. Longitudinal and lateral bracing should be provided for all changes of direction with pipe runs longer than 6 ft. A lateral brace should be present within 6 ft. of the end of the main, and a longitudinal brace should be present within 40 ft. of the end. Sway braces should be attached to significant structural members, preferably with through-bolts.
- Standard U-hooks should be restrained by a clamp for every other hanger in gridded systems and at the end hanger of branch line piping of tree systems. C-clamps attached to beams that support sprinkler piping should be fitted with restraining straps. Sprinkler heads subject to hitting structural members should be restrained by restraining the closest hanger.
- Suspended ceilings should be braced on 12 ft. intervals.
- Pipe drops should be provided with a flexible coupling at the top of the drop.

98-07-006 continued

Technical Detail	<p>The brochure "<i>Understanding the Hazard: Lack of Earthquake Bracing on Sprinkler Systems</i>" provides an overview of the hazard.</p> <p>FM Global Data Sheet 2-8, <i>Earthquake Protection for Water-based Fire Protection Systems</i>, may be consulted for additional details. The upgrade should meet this FM Global standard, except as may be permitted by an FM Global Seismic Specialist who may allow for variations based on specific analyses of the existing installation.</p> <p>Not all areas of the facility were visually inspected. Therefore, this recommendation was based on a brief review of the seismic protection of the fire sprinkler system. Prior to the start of work, a copy of the plans should be submitted to: FM Global, 601-108th Avenue NE., Suite 1400, Bellevue, Washington 98004 for review and acceptance.</p>
Status	There are no current plans to complete the recommendation.

Risk Reduction

Recommendations that have been completed or otherwise removed are summarized in this section. Risk Reduction involving **Physical Recommendations** is quantified in this report by counting the completed recommendations. **Human Element Recommendations** that have been completed often do not have an associated loss estimate since they usually serve to lower the frequency and/or severity of a loss. For this reason, we quantify them by counting the number of such items that have been completed.

The "counts" of recommendations referenced in this section include each part of multi-part recommendations except in cases where each part represents optional ways to address a single hazard. In such cases, the recommendation is only counted once.

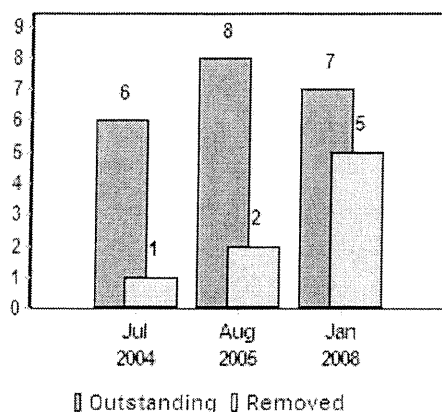
These charts illustrate current risk reduction status since the last inspection visit, and also include an historical account of previous risk reduction activity on a cumulative basis. Focus and special visits are not tracked separately, but the total outstanding recommendation counts reflect the full history since July 2004.

Physical Recommendations

The following **Physical** recommendations have been completed or removed as a result of this evaluation:

Rec Number	Recommendation Synopsis <i>Reason for Deletion/Completion</i>	Removal Method
05-08-001	Move the solvent and oil waste drums away from the roll paper storage area. <i>Roll paper is no longer stored adjacent to the solvent waste area.</i>	Completed 17 Jan 08
05-08-004	Ensure that all penetrations in the flammable liquid room are adequately fire caulked. <i>All penetrations in the flammable liquid room walls have now been properly sealed.</i>	Completed 17 Jan 08
05-08-005	Ensure that the flammable liquids stored in the Flammable Liquids room are adequately protected. <i>This recommendation has been combined into Recommendation 04-07-001.</i>	Deleted 17 Jan 08
05-08-010A	Replace the flexible hoses on the bulk totes with non-combustible hoses. <i>Due to the high viscosity and flash point of the ink, hose replacement is at this point considered an optional improvement.</i>	Deleted 17 Jan 08
05-08-010B	Provide a minimum of a four inch curb around each bulk ink dispensing area. <i>Due to the high viscosity and flash point of the ink, curbing is at this point considered an optional improvement.</i>	Deleted 17 Jan 08

Physical Risk Reduction History
(Count of Recommendations)

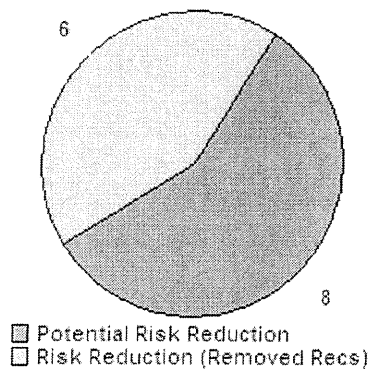


Human Element Recommendations

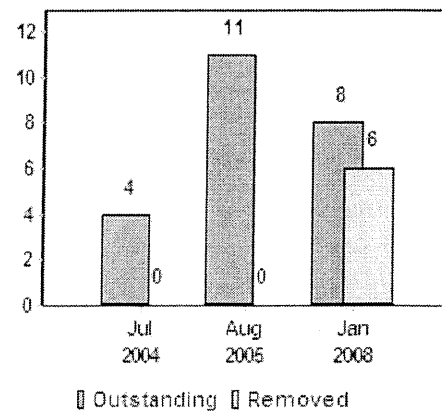
The following **Human Element** recommendations have been completed or removed as a result of this evaluation:

Rec Number	Recommendation Synopsis <i>Reason for Deletion/Completion</i>	Removal Method
05-08-002	Lower the roll paper storage height in the Warehouse (Building 2). <i>Roll paper is now limited to 16 ft. high.</i>	Completed 17 Jan 08
05-08-003A	Relocate pallets stored in racks. <i>Pallets were no longer found in the racks during this visit.</i>	Completed 17 Jan 08
05-08-003B	Lower the height of the plastic pallets to less than three feet. <i>Two stacks of plastic pallets to 5 ft. and four stacks of wood pallets to 12 ft. were found during this visit. Pallet stacks were lowered immediately, and Ms. Judy Dove said that she would follow up.</i>	Completed 17 Jan 08
05-08-008	Improve the training of the personnel that handle flammable liquids and are responsible for storage. <i>Housekeeping in areas using flammable liquids has improved, showing that the added training of personnel is paying off.</i>	Completed 17 Jan 08
05-08-012	Utilize FM Global Plan Review Service when considering new projects. <i>FM Global resources are to be used for the next project.</i>	Completed 17 Jan 08
97-07-005	Perform hand lift tests of all safety and safety relief valves at least quarterly. <i>Testing of safety relief valves will now be followed up on separately by jurisdictional inspectors.</i>	Deleted 17 Jan 08

Human Element Risk Reduction
(Count of Recommendations)



Human Element Risk Reduction History
(Count of Recommendations)



Comments

Several significant improvements were made at this facility. Roll paper storage has been lowered so that the sprinkler system is now ready to provide adequate protection. Roll paper adjacent to a solvent satellite station has been removed. Idle pallet storage was lowered, and additional caulking was done in the flammable liquids room.



Lowered Roll Paper Storage

Ongoing Services

FM Global is available to provide support in all areas of property loss prevention. These services include:

- Development of specifications for projects such as new construction, automatic protection systems, and process safeguards
- Review of related project plans
- Assistance in implementing and managing loss prevention programs
- On site review and acceptance of completed projects
- Assistance in managing impaired protection systems

For access to these services, contact one of the following:

Seattle Office:

Key Center
601 108th Avenue, N.E.
Suite 1400
Bellevue, WA 98004
USA
[1] (425) 455 5333

Greg Romano, Account Engineer:

FM Global
301 Merritt Seven
P.O. Box 5414
Norwalk, CT 06856-5414
USA
[1] (203) 849 0010

Reference Information

Location Findings

Cenveo, Inc.
Print Division
CENVEO GAC - PORTLAND
Graphic Arts Center
2000 NW Wilson Street
Portland, Oregon 97209-1884
USA

All in One
Baseline Risk Evaluation

Visit by:

Peter T. Goddyn

Visit date:

17 January 2008

Site Contact:

Ms. Melissa Otis, Safety Manager at
+1 503 2247778 Ext 7133, missy.otis@cenveo.com

Reference Information continued

Final Conference Attendees: Mr. James Miller, Plant Manager;
Ms. Melissa Otis, Safety Manager;
Ms. Judy Dove, Safety;
Mr. Mark Arthur, Maintenance

Location Index Number: 077570.93-05

Account Number: 1-30336

RiskMark Information included in this report is current as of 16 January 2008.